## **C**APITAL<sup>TM</sup> NUMBERS

# End-to-End Digital Transformation Company

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### Highest Rated Development Company in India

# CG tG tG

With over **300 Five Star reviews** across multiple platforms, Capital Numbers is **the highest rated development** 

company in India





Capital Numbers is an award-winning Digital Consulting & Engineering Firm offering end-to-end software development solutions to Enterprises, Silicon Valley Founders, Digital Agencies, and Startups worldwide.

We are **ISO 9001** and **27001 certified** with **700+ experts** working full-time across multiple delivery centers and offices in India, US, and Australia.

With **259+ clients worldwide, 50+ awards, and 200+ five-star ratings,** Capital Numbers is currently ranked #1 on Clutch, G2, Trustpilot, and GoodFirms.



### **Our Clients**

	Tovuti	tipalti	<b>Ş</b> swiggy	<b>Mphasis</b> The Next Applied
🔀 renmoney	ST Engineering	KARGO	Proposify	🔀 visitdays
PSYCHIATRIST.COM	BRIGHTEDGE	Anchanto	TWENTY	pettitts TRAVEL
HARRIS	colart	IDEAL LIVING	PIMSS	Moveworks Instant help at work."
ZOOTU		<b>CR</b> Consumer Reports		







Product Planning Workshops



Software & Product Engineering



Product Engineering



eCommerce Application Development



Web Application Development





UI/UX



Data Science and Machine Learning © DevOps



Testing & QA



### Product Planning Workshops

If you're planning to start a new project, whether building a new product or modernizing a legacy application then this workshop is for you! This workshop help teams answer many key questions that executives have before they can sponsor the project. For example, what to build, for whom and why? How long will it take? What resources will you need? How much will it cost? What can you expect the returns on investment (ROI)?





### **Product Planning Workshops**

#### Here are some of the deliverables

- 01 Defining users' needs and expectations, checking the competition and estimating our own possibilities.
- User Story Maps & Product Backlog Develop a product backlog that captures your users' journey, how they get their jobs done, and uncover the key outcomes that are important to them.
- Project Estimates Develop effort, time, and resource estimates to design and develop the software. We use an estimation methodology and a proprietary software that we've built for early stage estimation.



Wireframes and Clickable Prototypes





# Software & Product Engineering

**Over 50+** Digital Products Delivered to date!





# **Product Engineering**

Our 10+ years of experience in software product engineering allowed us to fine-tune all steps of the development process. From translating requirements into actionable technical documents to proposing future updates after delivery, we have you covered at each step. We can assist you with

01

Digitization any workflow with a solution that is tailored-made for your company, department, or operation.



Supporting your business with a beautiful product that reflects your brand and engages users across all platforms and devices.





## **Product Engineering**

- Create a cutting-edge product or perform digital transformation, our experts can help you address any technology challenge. Our core expertise includes the following tech:
- A. Web, SaaS and Software Applications with modern UI/UX
- B. Internet of Things
- C. Augmented & Virtual Reality
- D. Machine Learning & Artificial Intelligence
- E. Distributed Ledger Technology & Blockchain



03

Product Roadmap, Viability Study, Prototyping, Minimum Viable Product, Product Re-Engineering or Maintenance And Support





### **ECommerce**

### Hundreds of web applications delivered to date

PoolWarehouse	Anchanto	WINT STATE GOLD	BODYBUILDING WAREHOUSE	0000	
Americas's largest indoor pool suppliers	SaaS based multichannel ecommerce	For top tier collectors in the world of investment, numismatic, rare, and ultra-rare coins.	UK's leading Nutritional Life Sciences companies. Available in 6 continents and over 25 countries, growing		
Lanyard Lab	<b>by branded</b> goodies	will contactlens.com.au	at 45%+ per year.		
Custom lanyards for businesses	Custom branded products for giveaways	Custom build .NET based contact lens store			



### **ECommerce**

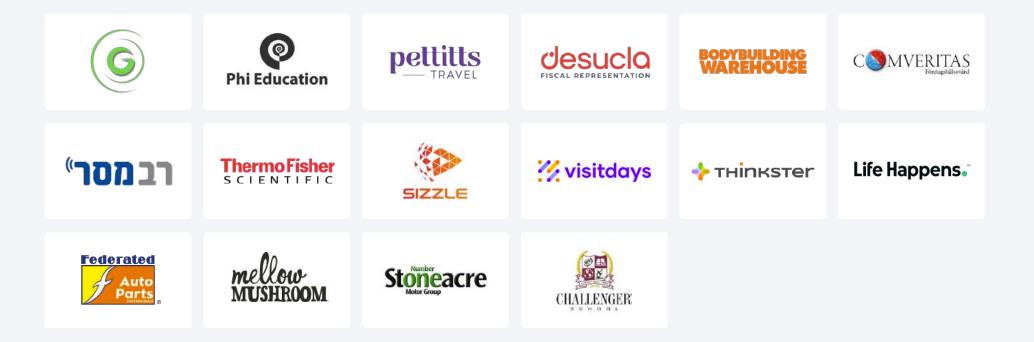
Putting together our expertise in information technology and ecommerce development, we help retail companies, distributors, manufacturers, and wholesalers drive their customers' satisfaction, boost sales and expand their audiences. We aim at making our ecommerce development solutions technically impeccable and catchy to let your firm stand out in the ecommerce market. We can assist you with

- 01. Custom B2B, B2C, C2C ecommerce development
- 02. Platform-based ecommerce development in WooCommerce, Magento, Shopify etc
- 03. Create modern digital storefronts by using tried-and-true HTML, CSS, and JavaScript programming
- 04. languages and JavaScript frameworks: AngularJS, ReactJS, Meteor, Vue.js, Next.js, Ember.js.
- 05. Lay out the business logic of your ecommerce app in the back end written in PHP, Java, Python, Node.js, .NET.
- 06. Follow the best practices of target audience research, competitor analysis and UI design
- 07. lintegrations and migration across and between various products



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### Web Sites & Applications





# Web Sites & Applications

When it comes to custom web development services, we prefer to act as a fully-fledged technical partner rather than an engineering unit. We've built and launched web experiences together with our clients a hundred times. We create web solutions that meet the needs of large and small businesses, are highly flexible and scalable. Among them:

- 01. End to End consulting from idea to reality
- 02. Development services including architecture, feasibility study, re-engineering,
- 03. migrations, enhancements and maintenance
- 04. Modern and reliable tech stack including HTML5, CSS3, CSS3, React, Angular, Node.js, Vue, Python,
- 05. Laravel, Java, ASP.NET, RoR and more
- 06. Created web portals for different audiences: customers, business partners, ecommerce users, patients, vendors, interest-based communities.





### **Mobile Apps**

Mobile app development services are aimed at building iOS & Android applications that effectively complement or substitute web solutions. Having delivered 50+ mobile app development projects so far, Capital Numbers ensures app success by delivering striking UI, secure app code, and resilient back ends.

### What we offer

- 01. Create slick and intuitive interfaces that ensure conversion, engagement, and easy adoption.
- 02. Apps for all versions of iOS, watchOS, Android, and Wear OS
- 03. Native & cross-platform apps (React Native, Xamarin, Flutter, Ionic, Kotlin)
- 04. Enterprise apps (for internal use) and monetized products
- 05. Mobile app-only and mobile app + web app solutions (incl. PWAs\*)
- 06. Provide Back-end development, QA & Testing and Maintenance & Support Services





# UI/UX

Our user experience design services focus on building smooth interaction flows between users and software. Capital Numbers' comprehensive approach to UX design ensures superior user satisfaction, resulting in maximized use of features and higher dwell time of all types of web and mobile software..

### What we offer

- 01. Perform Competitors' analysis and review web analytics to understand the goals, needs and mental models of your users.
- 02. Create personas fictional profiles of your real users which later become the basis for scenarios user-software interaction patterns.
- 03. Create a comprehensive user journey map that covers all possible points of users' interaction with your software.
- 04. Wireframing and Prototyping Get a prototype that gives you a clear vision of a future web or mobile app without forcing you to invest in front-end code development.
- 05. UX Design for Ecommerce, Web and/or mobile app, SaaS Products etc



### DevOps

Having experience with several of DevOps implementation projects, our consultants will help you start a new DevOps initiative or urgently recover a troubled DevOps project with best-in-the-market DevOps tools. We can help you leverage connected and automate development, testing and deployment of your applications at any stage of your apps' life cycle by:

### What we offer

01. Choosing, installing and configuring the right tools for an efficient DevOps environment.

- 02. Applying the Infrastructure as a Code (IaaC) approach.
- 03. Applying app module containerization.
- 04. Setting up continuous integration and deployment (CI/CD) pipelines.
- 05. Introducing test automation.
- 06. Introducing automated application monitoring.







# **Testing and QA**

Our goal-driven self-managed testing experts can quickly dive into your project (within 1-3 days) and validate every aspect of your software: functional, integration, performance, usability, and security.

### What we offer

- 01. QA strategy planning, test environment setup, preparing test cases and scripts, software testing, and defects description.
- 02. Manual testing and test automation (Selenium, Cypress, Cucumber, Appium etc).
- 03. SaaS, web, mobile, and desktop application testing.
- 04. Functional, performance, usability, accessibility, compatibility, and security testing.





# Data Science and Machine Learning

Capital Numbers offers a full range of data science and machine learning services to help companies solve business problems with accurate forecasts and predictions, root-cause analysis, (big) data mining and more..

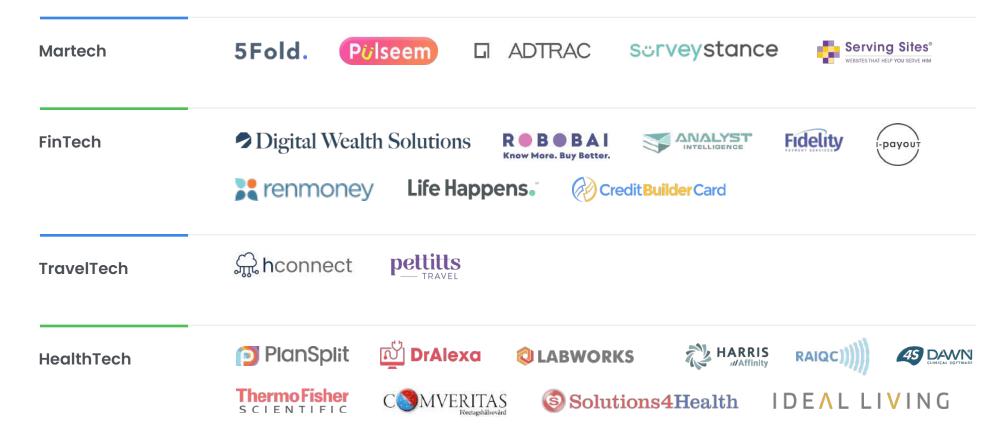
### What we offer

- 01. Advising on, developing and supporting data science solutions to help companies run
- 02. experiments on their data in search of business insights.
- 03. Designing and developing custom image, video, voice and text analysis software.
- 04. Big data consulting, implementation, support, and big data as a service to help companies store and process
- 05. big data in real-time as well as retrieve advance analytics insights out of huge datasets.
- 06. Getting advanced data analytics insights derived with machine learning technologies or enhancing the existing machine learning initiatives.



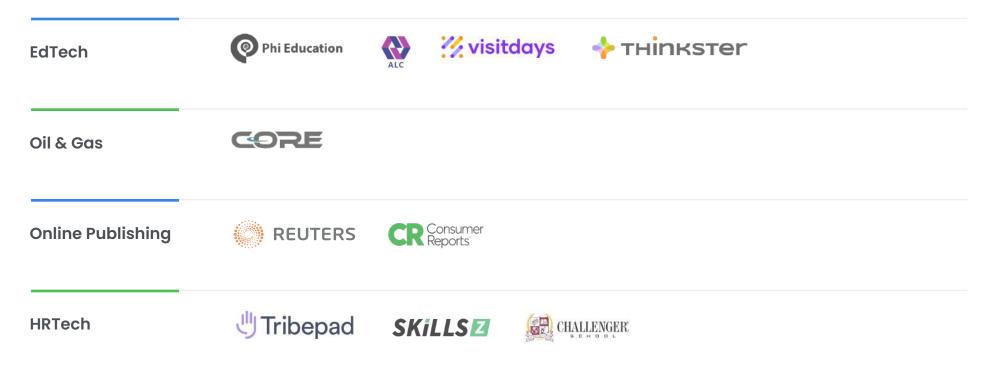


## **Clients by Industry**





## **Clients by Industry**





### **Tech Stack**

Back end programming	.NET, Java, Python, Node.js, PHP, Golang
Front end programming	HTML, CSS, Js, Angular, React.js, Meteor, Vue.js, Next, Ember
Mobile	IOS, Android, Xamarin, Cordoya, PWA, React Nativ, Flutter, Ionic
Databases / data storages	SQL Server, My SQL, Oracle, PostgreSQL, Cassandra, Hadoop, Nifi, MongoDB
Cloud databases, warehouses and storage	Amazon S3, Amazon Redshift, Amazon DynamoDB, Amazon DocumentDB, Amazon RDS, AWS Elasticache, Azure Data Lake, Azure Blob Storage, Cosmos DB, Azure SQL Database, Azure Synapse Analytics, Azure Kinect DK, Azure RTOS, Google Cloud SQL, Google Cloud Datastore
Big data	Hadoop, Spark, Cassandra, Kafka, Apache Hive, ZooKeeper, HBase, CosmosDB,Amazon Redshift, Amazon DynamoDB,
DevOps	Docker, Kubernetes, OpenShif, Apache Mesos, Ansible, Puppet, CHEF, SaltStack, Terraform, Packer, AWS Developer Tools, Azure DevOps, Google Developer Tools, CI/CD, Jenkins, TC, Zabbix, Nagios, Elasticsearch, Prometheus, Grafana, Datadog
Blockchains	Ethereum, Solana, Tezos, Polkadot, Cardano, HyperLedger



### **Engagement Models**



#### **Fixed Cost**

Best for relatively small & short projects with well-defined requirements that won't change (websites with <50 pages; small applications, simple web solution MVPs).

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#### Staff Augmentation

Outsourced developers work remotely with your in-house team and are managed by you directly. Best for filling in the skill and resource gaps within your development team.



#### T&M

Best for medium to large, lengthy projects with high requirement flexibility (websites with 200+ pages; enterprise web solutions with complex integrations).



### T&M (with Cap)

Best for medium to large projects that would allow for trading some flexibility for reduced financial risks (websites and web portals for startups; SaaS products).



#### **Dedicated Teams**

An outsourced team covers a part of the development project and is managed by a our PM, who regularly reports to you on the progress. Best for expanding development capabilities and minimizing management efforts.



### **Development Process**

Development

Our developers start

working on your product,

as you review milestones

bi-weekly. When

development is over, your

team performs User

Acceptance Testing and

deploys your product.

02

#### Kick-off

01

We translate your requirements into technical documentation, assemble a team, and the designer creates first prototypes for your product.

#### Quality assurance

03

After the release, we carry out continuous server monitoring, assign QA experts for bug fixing, and provide general customer support services.

#### Support

Modern software needs to be frequently updated after release to keep up with current trends and customer demand. We can quickly scale your team up and down for updates of any scope.

04



# **UI/UX Process**

01

#### User Journey Mapping

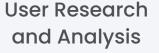
03

Different scenarios are combined to create a comprehensive user journey map that covers all possible points of users' interaction with your software.

### Wireframing and Prototyping

The user journey map is transformed into multiple wireframes. When they are assembled, you get a prototype that gives you a clear vision of a future web or mobile app without forcing you to invest in front-end code development.

04



Persona and

**Scenario Creation** 

Analyzed data is used to

create personas - fictional

profiles of your real users -

which later become the

basis for scenarios – user-

software interaction

patterns.

02

Competitors' analysis, web analytics, will enable you to understand the goals, needs and mental models of your users.

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### **DevOps Process**

#### Plan

01. Analyze the current software development cycle, available IT resources, and your IT infrastructure.

01

- 02. Analyze business expectations.
- 03. Devise DevOps implementation strategy.

#### Create Roadmap

- 01. Implement containerization (Kubernetes etc).
- 02. Implement CI/CD (Jenkins etc).
- 03. Implement automation testing (Selenium etc)
- 04. Integrate laaC and configuration management tools (Ansible, Chef, and Puppet) with CI/CD tools (Jenkins, Bamboo).
- **05.** Implement monitoring solution (Nagios).

02

#### Execute

01. Implement IaaC approach

03

02. Help and Support on a day to day basis or as needed



### **QA & Testing Process**

01

#### Onboarding

- **01.** Current QA process assessment.
- **02.** Service planning and SLA preparation.
- 03. QA process redesign and incorporation into existing workflows

#### Service Delivery

- 01. Test planning.
- 02. Test design.
- 03. Test execution.
- 04. Defect validation and regression testing.
- **05.** Test results reporting and testing performance evaluation.

02

#### Monitoring

01. QA process improvement planning and implementation.

03

02. Business process validation



### **Data Science & ML Process**

#### Analysis

01. Outlining business objectives to meet with data science.

01

- 02. Defining issues with the existing data science solution (if any).
- 03. Deciding on data science deliverables.

#### Data Preparation

- 01. Determining data source for data science.
- 02. Data collection, transformation and cleansing.



#### Design and Development

03

- 01. Choice of the optimal data science techniques and methods.
- 02. Defining the criteria for the future ML model(s) evaluation.
- 03. ML model development, training, testing and deployment.

#### Evaluation and Tuning

01. Evaluation of output and tuning on ML model as required

04

#### Output

01. Insights ready for business use in the form of reports and dashboards.

05

- 02. Custom MLdriven app for self-service use (optional).
- 03. ML model integration into other applications (optional).



# Work with Top 1%





#### Job Applications

Over 10k Candidates apply for job every year

#### Online Assessment

Candidates are assessed online with help with Skillsz.com (our inhouse product).

#### English Test

Candidates are then tested for their English language proficiency

#### Technical Interview

Our technical leads and managers meet the candidates online and conduct inperson interviews

#### HR Discussions

HR team evaluates the candidates for cultural fit and other parameters

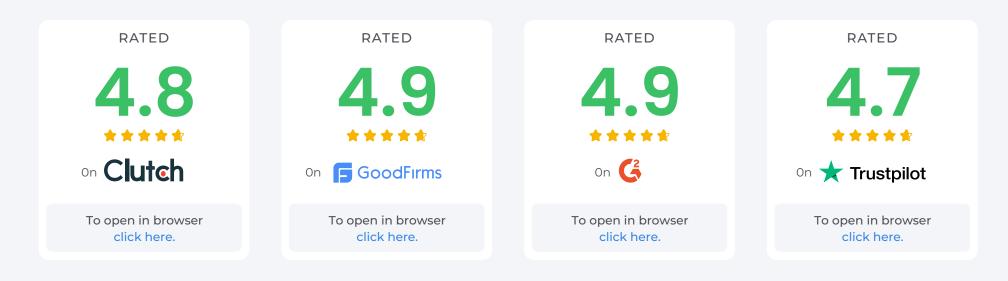
#### 1% Join CN

Remaining 1% join CN and are ready to be allocated to your team



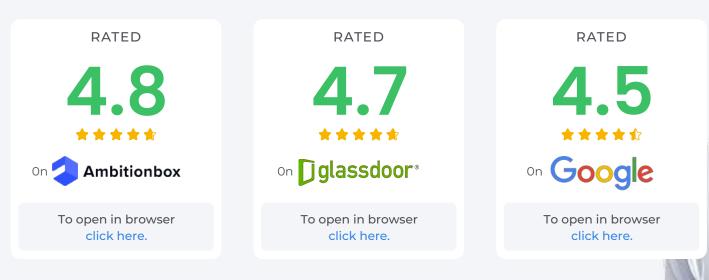
### **Clients Love Us!**







### Our Employees Love Us Too!









### **Our Certifications**



Capital Numbers is an ISO 9001 and 27001-certified company, proving the highest information corporate standards around security. This makes us a reliable software development partner dedicated to building long-term relationships with clients and proactively solving critical business challenges.





# Thank You

We would love to hear from you info@capitalnumbers.com



capitalnumbers.com