

Jugal Pumbhadia

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SUMMARY

Results-driven full-stack software engineer with 2+ years of experience building scalable web and mobile applications for startups and enterprise clients. Specializes in React Native, MERN stack, and AWS cloud deployments. Proven track record of optimizing performance, leading cross-functional teams, and delivering production-ready solutions in Agile environments. Adept at UI/UX design, CI/CD automation, and mentoring junior developers.

EDUCATION

New York University

Master of Science in Computer Science (GPA: 3.7/4.0)

Courses: Cloud Computing, Data Science, Big Data, Machine Learning, Computer Vision, Data Visualization

September 2023 – May 2025

New York, US

Gujarat Technological University

Bachelor of Engineering in Computer Engineering (GPA: 8.6/10.0)

Courses: Data Structures, Algorithms, Operating Systems, DBMS, Object Oriented Programming Languages

August 2017 – June 2021

Ahmedabad, India

SKILLS

Programming Languages: C++, Python, Javascript, Typescript, PHP, SQL, NoSQL

Frontend: HTML, CSS, React, React Native, Bootstrap

Backend & APIs: Node.js, Express, Flask, GraphQL, Firebase, REST API

Data Analytics: Pandas, NumPy, Excel, Tableau, Power BI

AI/ML: PyTorch, TensorFlow, Sklearn, HuggingFace, LangChain, NetworkX, OpenCV

Cloud, DevOps & Big Data: AWS, Spark, Kafka, Airflow, Snowflake, Kubernetes, Docker, Jest

Database: MySQL, PostgreSQL, MongoDB, Firestore, Realtime Database

Tools: Git, GitHub, Jupyter, Expo, Atlassian Suite (Jira, Confluence)

EXPERIENCE

Software Engineer

Geaux Network

June 2024 – August 2024

Remote, US

- Engineered scalable, modular React Native components using TypeScript, Expo Router, Context API, and custom hooks, boosting development velocity by 25% while improving code maintainability.
- Translated Figma designs into responsive, pixel-perfect UI screens leveraging Flexbox and StyleSheet APIs, enhancing UX consistency and reducing frontend rework by 40%.
- Integrated Firebase Authentication and Firestore with custom error handling and asynchronous flows, significantly improving session reliability and eliminating auth-related bugs during QA cycles.
- Championed test-driven development with Jest, React Native Testing Library, and GitHub Actions pipelines, increasing unit test coverage to 85% and accelerating CI/CD feedback loops.

Software Engineer

Fascinate Infotech

January 2021 – June 2023

Surat, India

- Architected and delivered full-stack web and mobile applications using the MERN stack and React Native, successfully launching 8+ projects with responsive UI and RESTful API integration.
- Developed frontend state management solutions with Redux, Context API, and React Navigation, introducing custom middleware for asynchronous workflows to improve UI scalability and streamline developer onboarding.
- Leveraged Firebase services including Firestore, Realtime Database, Cloud Functions, and FCM to enable real-time notifications, offline data sync, and event-driven serverless functionality across multiple production apps.
- Optimized DevOps practices by automating builds, tests, and deployments through GitHub Actions and Firebase Hosting with Docker containerization, slashing release cycles by 80%. Mentored two junior developers and led daily Agile standups.

PROJECTS

Live Flash Auctioning System | AWS, Python Flask, WebSockets, Docker, Cloud Architecture, Microservices

- Developed a real-time auction platform using Flask and WebSockets, achieving sub-50 ms bid latency and synchronized multi-user state for seamless live bidding.
- Deployed microservices backend on Dockerized AWS EC2, integrating Lambda, DynamoDB, RDS, and S3; implemented event-driven communication with SQS, secured by IAM and JWT; automated deployments using GitHub Actions.

ConnectX | PostgreSQL, PHP, Bootstrap, SQL Optimization, RDBMS, Backend Development, Database Design

- Designed and optimized a fully normalized PostgreSQL relational database with indexing and constraints to ensure data integrity and support high-concurrency transactional workloads.
- Implemented secure PHP backend services handling authentication, CRUD operations, and business logic, paired with a responsive Bootstrap frontend tightly integrated via REST APIs for smooth user experience.