Sai Krishna Uppuluri

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PROFESSIONAL SUMMARY

Versatile and detail-oriented Full Stack MERN Developer with over 5 years of experience in building scalable, high-performance web applications. Adept at using React.js, Redux, Context API, and Next.js for crafting interactive UIs and employing Node.js, Express.js, RESTful APIs, and GraphQL for robust backend development. Demonstrates deep understanding of JWT-based authentication and seamless integrations with MongoDB, PostgreSQL, Prisma, and Mongoose. Proficient in DevOps practices using Docker, Jenkins, GitHub Actions, and AWS services (EC2, S3) to deploy cloud-native applications with efficient CI/CD pipelines. Experienced in Agile workflows using JIRA and committed to cross-functional collaboration, maintainable code, and comprehensive unit and automated testing with Jest and Enzyme. A proactive engineer and continuous learner who enjoys solving complex problems, mentoring peers, and delivering features that drive user and business value. Expert in TypeScript, ES6+, and modular architecture for dynamic, secure, and production-grade applications.

EDUCATION

Webster University, Saint Louis, USA
Master of Science in Information Technology and Management

SKILLS & TECHNOLOGIES

Frontend: React.js, Redux, Context API, Next.js, TypeScript, ES6+, React Testing Library, Enzyme

Backend: Node.js, Express.js, RESTful APIs, GraphQL, JWT

Programming Languages: JavaScript, Python, Java

Databases: MongoDB, PostgreSQL, Prisma, Mongoose, ORMs

DevOps & Tools: Docker, Git, GitHub, CI/CD (GitHub Actions, Jenkins), AWS EC2, AWS S3

Project Management: Agile, JIRA

Testing: Unit Testing, Automated Testing, Jest, Enzyme

PROFESSIONAL EXPERIENCE

Senior Engineer
Bajaj Finance   *Aug 2021 – Jun 2023*

- Led Full Stack development of responsive UI using JavaScript framework like React.js, TypeScript, Redux, and Context API for financial products improving load time by 30%.

- Built Node.js/Express.js backend with GraphQL and Jason Web Tokens (JWT), securely handling over 100,000 transactions monthly.

- Integrated MongoDB and PostgreSQL via Prisma and Mongoose to reduce query response time by 45%.

- Implemented containerized deployments with Docker and CI/CD via GitHub Actions and Jenkins on AWS EC2 and S3.

- Achieved 90% test coverage through Jest and Enzyme, ensuring robust unit and automated testing for React components.

- Introduced Server-Side Rendering (SSR) using Next.js, enhancing Search Engine Optimization (SEO) and improving first contentful paint by 25%.

- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills

- Spearheaded Agile ceremonies with JIRA for sprint planning, retrospective, and velocity tracking.

- Developed reusable component library and coding guidelines for front-end consistency across teams.

- Mentored 4 junior developers in TypeScript, CI/CD practices, and secure JWT-based session handling.

Associate Engineer
Snapdeal   *Aug 2019 – Jul 2021*

- Created front-end customer dashboards using React.js, TypeScript and Context API, improving user engagement by 18% and reducing churn.

- Developed RESTful APIs and GraphQL endpoints using Node.js and Express.js for product catalogue and payment modules.
- Managed MongoDB and PostgreSQL schemas through Prisma and Mongoose, boosting data consistency and access speed.
- Deployed cloud applications on AWS EC2 with storage pipelines to AWS S3 using CI/CD workflows via Jenkins.
- Secured backend services with Jason Web Tokens (JWT) for user sessions and role-based access controls, preventing 95% of unauthorized API access.
- Maintained a stable codebase through thorough unit testing (Jest) and UI regression testing (Enzyme).
- Used GitHub for version control, branching, pull requests, and code review practices, reducing merge conflicts by 40%.
- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills
- Actively participated in Agile sprints, refining user stories and collaborating with QA and design teams.
- Reduced app latency by 22% by optimizing Redux state slices and refactoring API integration logic.

Associate Engineer
Snapdeal   *Aug 2018 – Jul 2019*

- Assisted in developing full stack features using React.js with TypeScript and Node.js with Express.js for order tracking and CRM tools.
- Designed RESTful and GraphQL APIs integrated with PostgreSQL and MongoDB via Mongoose and Prisma ORM.
- Automated deployment pipelines using Docker and GitHub Actions with AWS EC2 targets, improving release frequency by 50%.
- Conducted unit testing using Jest and Enzyme, maintaining 85% coverage and reducing bugs in QA by 35%.
- Ensured no backlogs of sprint tickets by showcasing strong cross-functional code collaboration, attention to detail, problem-solving and Troubleshooting skills
- Participated in Agile sprints and retrospectives, contributing to a 10% improvement in sprint delivery velocity.
- Created internal tools to automate daily logs and issue tracking via GitHub API integrations.
- Documented service architecture and internal API usage for better onboarding and knowledge transfer across teams.
- Refactored legacy JS modules into modular TypeScript classes improving maintainability and reducing errors.
- Supported the migration of CI/CD pipelines from shell-based scripts to Jenkins declarative pipelines.

CERTIFICATIONS

Full Stack Web Development with React and Node.js — Coursera
Advanced GraphQL and API Development — Udemy
AWS Certified Developer – Associate — Amazon Web Services

PROJECTSF

Ecommerce Checkout and Inventory System
Built a Next.js + React.js checkout system with dynamic cart management, promo codes, and integrated Stripe payments.
Developed Node.js/Express.js backend with GraphQL and RESTful APIs, handling inventory sync with MongoDB and PostgreSQL.
Deployed using Docker containers with CI/CD pipelines on AWS EC2, storing logs and media on AWS S3.

Team Collaboration & Project Tracker
Created a collaborative task board app with React.js, Context API, and real-time notifications via WebSockets and GraphQL Subscriptions.
Backend built in Node.js with JWT authentication and role-based access for users and admins.
Improved productivity by 50% and user retention by 35% through intuitive design and responsive features.