

Prasanth Reddy

Full Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with 5+ years of experience building scalable, secure, and high-performance web applications using React, Node.js, RESTful APIs, and cloud technologies. Proven ability to design efficient frontend architectures, develop robust backend services, and optimize databases to improve application reliability and user experience. Strong hands-on experience with CI/CD pipelines, containerization, and AWS deployments, enabling faster releases and stable production environments. Adept at implementing authentication, authorization, and API security while following clean code and Agile best practices. Recognized for collaborating closely with cross-functional teams to deliver business-impacting solutions with measurable outcomes in enterprise and customer-facing systems.

TECHNICAL SKILLS

Frontend: React, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Material UI

Backend: Node.js, Express.js, Python, FastAPI, Django, REST APIs, GraphQL, JWT, OAuth

Databases: PostgreSQL, MySQL, MongoDB, Redis, NoSQL, Schema Design, Indexing

Cloud & DevOps: AWS (EC2, S3, Lambda, API Gateway, CloudWatch), Docker, Kubernetes, Jenkins, GitHub Actions

Engineering Practices: Microservices, CI/CD, Agile/Scrum, System Design, Performance Optimization

Testing & Tools: Jest, PyTest, Cypress, Postman, Git, GitHub, Jira

PROFESSIONAL EXPERIENCE

Full Stack Developer | Concentrix, Newark, CA

Feb 2025 - Current

- Developed scalable full stack applications using React and Node.js, supporting over 40K monthly users while improving system stability and maintainability.
- Designed and implemented RESTful APIs with efficient data handling, reducing average API response times by 25% and improving overall backend performance.
- Built responsive and accessible user interfaces, reducing UI-related production issues by 20% and improving user experience across devices and browsers.
- Implemented JWT-based authentication and role-based access control, strengthening application security and minimizing unauthorized access risks.
- Integrated third-party services and payment APIs, improving transaction reliability and enabling seamless real-time data synchronization across systems.
- Optimized database schemas and queries through indexing and tuning, reducing backend latency and improving performance during peak traffic periods.
- Automated CI/CD pipelines using GitHub Actions, reducing manual deployment effort by 40% and increasing release consistency across environments.
- Collaborated with product, QA, and DevOps teams in Agile sprints, consistently delivering production-ready features aligned with business priorities.

Full Stack Developer | Tata Consultancy Services (TCS), India

Jan 2019 – Jul 2023

- Designed and developed enterprise-grade web applications using React and Node.js, supporting over 80K users across internal and client-facing platforms.
- Built secure REST and GraphQL APIs enabling high-volume data exchange, reducing service response times by 20% across core business workflows.
- Developed reusable frontend components and shared libraries, reducing development effort by 15% and improving UI consistency across applications.
- Optimized relational and NoSQL databases through schema redesign, indexing, and query tuning, significantly improving data retrieval speed, reporting accuracy, and overall backend performance across high-traffic production environments.
- Assisted in migrating legacy on-premise systems to AWS cloud infrastructure, improving application scalability, strengthening system resilience, and maintaining 99.9% uptime during peak usage and critical business operations.
- Contributed to CI/CD pipeline automation and peer code reviews, helping reduce deployment failures, improve release stability, and ensure consistent code quality aligned with engineering best practices.
- Collaborated closely with product managers, designers, QA, and DevOps teams to translate business requirements into secure, scalable, and production-ready software solutions meeting enterprise performance standards.

PROJECTS

NextGen Electronics Store Management System

- Developed a full stack eCommerce application using Next.js and Node.js, improving page load speed and SEO performance.
- Designed secure APIs for product, cart, and order management, supporting high-concurrency user activity.
- Implemented authentication and access control to protect user and administrative workflows.

DineFlow – Digital Restaurant Ordering Platform

- Built responsive user interfaces that improved customer engagement and order completion rates.
- Developed backend services for order processing and billing using Node.js and Express.js.
- Implemented real-time order updates, reducing operational delays for restaurant staff.

EDUCATION

Master of Science in Computer Science | California State University, San Bernardino, CA