

Sai Kiran

Full-Stack Developer

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Professional Summary:

Full-stack and platform engineer with 4+ years of experience **architecting and delivering scalable, cloud-native applications and shared platform components** used across high-traffic consumer ecosystems. I specialize in React, Node.js, Java, TypeScript, and AWS, with a proven track record **building backend SDKs and Server-Driven UI systems** that accelerate development velocity across Web, iOS, and Android. My work focuses on **high-performance API design, distributed systems reliability, developer experience tooling**, and cross-team collaboration with product, cloud engineering, and mobile teams. Recognized for **driving measurable improvements in latency, scalability, and code quality** while contributing to architectural decisions, modernization efforts, and multi-team platform initiatives.

Key Achievements:

- **Accelerated development velocity by 25%** across Web, iOS, and Android by engineering backend SDKs and tools powering a Server-Driven UI platform used by multiple product teams.
- **Improved API performance by ~40%** through query optimization, strategic indexing, microservice refactoring, and caching enhancements in Node.js, Java Spring Boot, PostgreSQL, and MongoDB.
- **Reduced UI development and onboarding time by 35%** by building scalable React and TypeScript component libraries adopted across teams.
- **Supported millions of concurrent users** by deploying and scaling microservices on AWS EKS with zero downtime during major seasonal traffic surges.
- **Cut deployment and QA effort by 20–30%** by creating automation scripts (Python/Bash) and improving CI/CD pipelines in GitHub Actions and Jenkins.
- **Boosted data throughput by 30%** in enterprise applications by re-architecting business logic, improving SQL/NoSQL data flows, and optimizing microservice communication patterns.

Technical Skills:

Languages:	JavaScript (ES6+), TypeScript, Java, Python
Frontend:	React.js, Next.js, Redux, Zustand, Tailwind CSS, Material UI, Webpack, Vite
Backend:	Node.js, Express.js, Nest.js, Java Spring Boot, GraphQL, REST APIs, gRPC, Protobuf
Cloud & DevOps:	AWS (Lambda, EKS, EC2, S3, RDS, API Gateway), Docker, Kubernetes, GitHub Actions, Jenkins, Terraform, Linux, Nginx
Databases:	PostgreSQL, MongoDB, MySQL, Redis
Testing:	Jest, Cypress, Playwright, Postman, Swagger/OpenAPI
Architecture:	Microservices Architecture, Server-Driven UI (SDUI), Backend SDK Development, API Design, Distributed Systems, Caching Strategies
Tools:	Git/GitHub, JIRA, Confluence, VS Code, Prometheus, ELK Stack

Professional Experience:

Universal Studios, Atlanta, GA, USA

Aug 2023 - Current

Full-Stack Developer

- Designed and delivered end-to-end features for high-traffic ticketing, membership, and content personalization systems using **React, Node.js, TypeScript, and GraphQL**, supporting millions of users across web and mobile.
- Engineered **backend SDKs and tooling for a Server-Driven UI platform**, enabling unified UI delivery across Web, iOS, and Android and **accelerating feature rollout speed by 25%**.
- Developed high-performance **REST and GraphQL APIs** integrating with booking, payments, authentication, and content microservices; optimized database queries, indexing, and caching to **reduce API latency by ~40%**.
- Built reusable React components, TypeScript utilities, and shared UI patterns to **reduce front-end development time by 35%** and improve code consistency across product teams.
- Deployed and scaled Node.js and Java microservices on **AWS EKS** to handle peak traffic loads with **zero downtime** during seasonal spikes reaching millions of concurrent requests.
- Automated key engineering workflows using **Python and Bash** for release validation, configuration syncing, log processing, and deployment checks, reducing manual DevOps effort by **20–30%**.
- Implemented CI/CD pipelines using **GitHub Actions and Jenkins** for automated testing, container builds, and multi-environment deployments across dev, staging, and production.
- Collaborated across platform, product, cloud engineering, and mobile teams on architecture reviews, performance tuning, observability enhancements, and system-wide reliability improvements.

Capgemini, Bengaluru, India

Jun 2020 – Jul 2022

Software Engineer

- Built and maintained enterprise applications for finance and retail clients using **React.js, Node.js, Spring Boot, and SQL/NoSQL** technologies with a focus on scalability and performance.
- Developed backend APIs in Node.js and Spring Boot handling authentication, RBAC, and complex business logic; redesigned service workflows to **increase data throughput by 30%**.
- Built front-end modules with React, Redux, and optimized API communication patterns to significantly improve application performance, maintainability, and load times.
- Created automation tools and scripts using **Python** for data validation, reporting, and API payload testing, reducing manual QA and operations effort by **25%**.
- Implemented CI/CD pipelines using **Jenkins and GitLab CI**, enabling faster delivery cycles with automated builds, testing, and multi-environment deployments.
- Containerized and deployed microservices using **Docker and Kubernetes** on AWS and Azure, improving reliability and minimizing deployment-related downtime.
- Collaborated closely with UX, QA, and business teams to translate requirements into technical deliverables, driving consistent and high-quality engineering output across Agile sprints.
- Participated in performance tuning, code reviews, and load testing to improve scalability and ensure system stability under heavy traffic.

Education:

Master of Science in Computer Science - Kent State University, Kent, Ohio, USA (August 2022 - December 2023)

Bachelor of Science in Computer Systems and Engineering - Loyola Academy UG and PG College, Hyderabad, India (June 2018 – May 2021)

Certifications:

- AWS Certified Developer – Associate
- Microsoft Certified: Azure Developer Associate