

Parteek Singh

Senior Full Stack & AI Engineer

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Professional Summary

Senior Full Stack & AI Engineer with 8+ years of experience building scalable web, mobile, and AI-powered applications. Expertise in React.js, Next.js, Node.js, Python, GraphQL, PostgreSQL, AWS Serverless, and modern LLM frameworks. Hands-on experience with LangChain, LiteLLM, Hugging Face Pipelines, Agentic AI, MCP Servers, RAG, Prompt Engineering, Machine Learning, OpenAI, and production-ready AI integrations. Proven experience leading teams, improving application performance, and delivering enterprise healthcare, banking, insurance, e-commerce, and fintech solutions.

Technical Skills

- Frontend: React.js, Next.js, React Native, JavaScript (ES6+), TypeScript, Redux Toolkit, Tailwind CSS, Material UI
- Backend: Node.js, Express.js, GraphQL, REST APIs, Python, PostgreSQL, MongoDB, Prisma ORM, Sequelize, SQL
- AI/LLM: OpenAI, LangChain, LiteLLM, Hugging Face Pipelines, Agentic AI, MCP Servers, RAG, Prompt Engineering, Function Calling, Machine Learning, Claude Code, GitHub Copilot, Cursor, Agent Loops
- Cloud & DevOps: AWS Lambda, API Gateway, S3, CloudFront, Cognito, Docker, GitHub Actions, Jenkins, CI/CD, Serverless, Terraform
- Testing: Jest, Cypress, React Testing Library

Professional Experience

Technical Lead | EMIDS (Oxbridge Health) (08/2025 – Present)

- Designed scalable frontend architecture using React and GraphQL.
- Integrated AWS Serverless services (Lambda, API Gateway, S3, CloudFront) with PostgreSQL.
- Developed AI-enabled solutions using Python, LangChain, LiteLLM, Hugging Face Pipelines, OpenAI and RAG.
- Designed Agentic AI workflows and MCP Server integrations.
- Improved developer productivity through reusable components, CI/CD and GitHub Actions.

Senior Software Engineer | Perficient (01/2025 – 08/2025)

- Led React microfrontend architecture for enterprise insurance platform.
- Mentored engineers and ensured architectural consistency.
- Managed Jenkins-based CI/CD pipelines.

Senior Software Engineer II | Concentrix Catalyst (07/2022 – 01/2025)

- Led frontend development for banking platform improving performance by ~40%.

- Built Node.js microservices and MongoDB integrations.
- Developed Python utilities for backend automation and API integrations.

Senior Software Engineer | Webmob Software Solutions (08/2021 – 07/2022)

- Built real-time crypto trading application using React and WebSockets.
- Integrated Web3 technologies including MetaMask and WalletConnect.
- Developed Python scripts for automation and data processing.

Senior Systems Engineer | Infosys (07/2018 – 08/2021)

- Built enterprise React applications for global clients including Pfizer and Google.
- Developed Python automation utilities to improve engineering productivity.
- Collaborated with UX and product teams to deliver responsive solutions.

Education

Bachelor of Engineering (Computer Science), UIET, Panjab University (2014–2018)

Certifications

- Certified JavaScript Developer – Infosys
- Advanced React.js – Udemy