

Shubham Mehra

Senior Full Stack Engineer | AI-Powered Systems

 Ranikhet, Uttarakhand |  8126784483 |  mehrashubham32@gmail.com

 linkedin.com/in/shubham-mehra-507b28b0

Senior Full Stack Engineer and Application Module Lead with 6+ years of experience in building scalable, high-performance web and enterprise applications. Proven expertise in React, Next.js, Node.js, Python, and microservices, with hands-on experience in Docker, Kubernetes, and CI/CD pipelines. Strong background in leading end-to-end delivery of complex modules, integrating AI-powered features, and ensuring system reliability, security, and performance. Seeking a senior/lead engineering role to build innovative, scalable, and AI-enabled platforms.

PROFESSIONAL EXPERIENCE

July 2024 - Present

Telus International Pvt LTD – Noida (Application Module Lead)

- Lead development of enterprise internal platforms used by 200+ teams for test automation, data management, and real-time monitoring.
- Build scalable full-stack applications with Next.js, React, Node.js, Python, and Kafka, serving 10,000+ users across 50+ countries.
- Design secure APIs with JWT/OAuth & RBAC, improving performance by 30% and ensuring compliance.
- Implement CI/CD with Docker & Kubernetes, cutting deployment time by 40% and boosting reliability.
- Mentor junior developers and establish engineering best practices.

Feb 2022 - July 2024

Neosoft Pvt LTD – Noida (Sr. Software Engineer)

- Developed multi-tenant SaaS platforms for digital service hosting and subscription management.
- Built microservices with Node.js & NestJS and React-based dashboards, improving user engagement.
- Integrated payment & auth systems, reducing transaction failures by 25%.
- Delivered 12+ production features per quarter in agile teams.
- Optimized databases and caching, improving API response times by 30%.

Sept 2019 – Feb 2022

Enthuons Pvt LTD – Noida (Software Engineer)

- Built IoT dashboards & web apps using React, Angular.js, Node.js, and MongoDB.
- Developed REST APIs with Express.js, improving data retrieval by 20%.

KEY PROJECTS

→FAME – Enterprise Test Automation & Quality Management Platform (Internal Platform)

Charter Communications (Spectrum) | Team: 12 | Role: Application Module Lead / Senior Full Stack Engineer

- Owned end-to-end development of an internal enterprise platform used by 200+ QA and engineering teams to streamline test automation, test data management, performance testing, and device tracking.
- Designed and built scalable frontend modules using Next.js, creating intuitive self-service portals that reduced manual request handling by 60% and improved team productivity.
- Developed secure backend services with Python and Node.js, exposing REST APIs that processed 1,000+ weekly automation and data requests with 99.9% uptime.
- Integrated with Oracle databases using SQLAlchemy, optimizing complex queries and improving report generation speed by 40%.
- Implemented role-based access control (RBAC) and audit logging, ensuring compliance and secure access across multi-team environments.
- Containerized the platform using Docker and established CI/CD pipelines, enabling zero-downtime deployments and reducing environment setup time from days to hours.

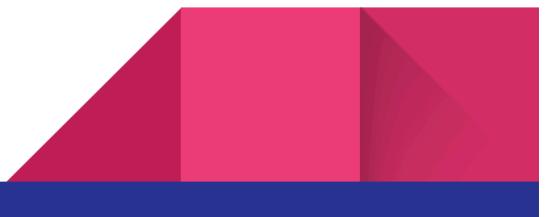
Tech Stack: Next.js, Python, Node.js, SQLAlchemy, Oracle, Docker, CI/CD, REST APIs, RBAC

→ BYOD International SIM & Device Management Platform

Global Telecom Client | Team: 20 | Role: Application Module Lead / Senior Full Stack Engineer

- Led the development of a scalable web-based SIM and device management platform for a global telecom client, enabling 10,000+ international travelers to activate SIMs, devices, and OTT services digitally across borders.
- Architected secure RESTful APIs with JWT/OAuth authentication, role-based access control (RBAC), pagination, and filtering—improving API response time by 30%.
- Built a responsive frontend using Next.js, React, and Tailwind CSS, creating reusable components that reduced UI development time by 25%.
- Integrated real-time features with Socket.io and implemented event-driven microservices using Kafka, ensuring seamless data flow across systems.
- Deployed and maintained the platform using Docker and Vercel, establishing CI/CD pipelines that cut deployment time by 40%.
- Ensured system reliability by writing 500+ unit and integration tests with Jest, achieving 92% test coverage and reducing production bugs by 35%.

Tech Stack: Next.js, React, Node.js, Express, MongoDB, Kafka, Docker, Kubernetes, JWT, OAuth, Jest, Tailwind CSS, Redux Toolkit



→ One Global – Service Marketplace Platform

Multi-role SaaS Platform | Team: 8 | Role: Senior Full Stack Engineer

- Developed a service marketplace enabling business clients, service providers, and investors to subscribe, host, and invest in services like payment gateways, voucher systems, and single sign-on solutions.
- Built scalable microservices with Node.js and NestJS, handling multi-tenancy and role-based workflows for 1,000+ monthly active users.
- Designed a responsive frontend using React and Ant Design, ensuring consistent UX across admin, provider, and investor dashboards.
- Implemented secure authentication flows and payment integrations, reducing transaction failures by 25%.

Tech Stack: React, Node.js, NestJS, MongoDB, Microservices, JWT, REST APIs

EDUCATION

- **B.Tech** (Computer Science & Engineering) | BTKIT Dwarahat, Uttarakhand | 2019
- **Diploma in Engineering** (Information Technology) | Govt Polytechnic Dwarahat, Uttarakhand | 2016
- **Higher Secondary** (XII) & Secondary (X) | Kendriya Vidyalaya Ranikhet, Uttarakhand | 2013 & 2011

CERTIFICATIONS

- Kubernetes Fundamentals – Linux Foundation (2024)
- AI Engineering Specialization – Coursera (In Progress)

PROGRAMMING LANGUAGES • Javascript • PHP • Python • HTML • CSS • JQuery

DATABASES • Mongodb • MySql • Firebase

TOOLS & TECHNOLOGIES • ReactJS • Angular • NodeJs • Nestjs • Microservices • Kubernetes • Kafka • Loopback

OPERATING SYSTEMS • Unix • Mac OS • Windows

