Mayur Bhat

Software Engineer | San Francisco, CA (Open to relocation)

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EXPERIENCE

Software Engineer - Teaching Assistant — Aug 2024 – May 2025
Indiana University — Bloomington, IN
- Mentored **100+** Software Engineering students by introducing modular project templates, Git-based workflows, and live debugging walkthroughs, leading to a **15% rise in average project scores**
- Designed **10+** assignments focused on data structures, algorithms, object-oriented programming, and design patterns helping reinforce core development concepts across lab sessions

Software Engineer-2 — Jan 2023 – Jul 2023
Aurigo Software Technologies — Bangalore, India
- Architected a secure login/signup microservice using JWT-based authentication, implementing in-memory caching to reduce redundant database lookups, which cut average **login response time by 25%** under load
- Optimized slow-running database queries by adding composite indexes, reducing critical query time from **2s to 200ms** and cutting **overall page latency by 15%**
- Redesigned a legacy platform into a React.js single-page application, introducing Redux for centralized state management, reducing unnecessary re-renders, which **improved UI responsiveness by 35%**
- Led end-to-end development of real-time product features, collaborating with 10+ engineers, PMs, and tech leads, and streamlining delivery via agile sprints, which reduced the **average delivery time per feature by 10%**

Software Engineer-1 — Aug 2021 – Jan 2023
Aurigo Software Technologies — Bangalore, India
- Enhanced document management with AWS S3 and Lambda, **reducing server load by 25% and improving document processing efficiency by 20%**
- Revamped API architecture from SOAP-based XML API into RESTful services, **reducing response times by 15% and enhancing system scalability by 20%**
- Conducted design discussions, code reviews, and intern mentorship using structured technical guidance, driving a **10% boost in code quality, 15% fewer bugs**, and smoother onboarding

Software Engineer — Internship — Jan 2021 – Aug 2021
Aurigo Software Technologies — Bangalore, India
- Resolved **20+** production issues across teams using Agile practices, improving platform stability and system performance
- Consolidated **5** SQL queries into **2** sequential ones, reducing network latency by **5x** and accelerating data retrieval

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C#, C++, Java
Frameworks: React.js, Node.js, Express.js, Django, FastAPI, .NET, HTML5/CSS3
Databases: MySQL, PostgreSQL, Microsoft SQL Server, MongoDB, GraphQL
Developer Tools: AWS: EC2, S3, Lambda, Azure, JIRA, Git, Redux, Docker, Kubernetes, REST API, XML
Certification: AWS Certified Cloud Practitioner

PROJECTS

DBOperator AI | Python, FastAPI, LangChain, OpenAI API, GPT-4, React.js | Github — Nov 2024 – Nov 2024
- Built a conversational AI tool that lets users query a PostgreSQL Database in plain English and receive human-readable results. Integrated LangChain, FastAPI, and GPT-4 to convert natural language into SQL and format responses for client display

Secure bank: Online Banking System | Python, Django, React.js, MySQL | Github — Jan 2024 – May 2024
- Developed an online banking system supporting secure transactions, user roles, and authorization workflows. Used Python, Django, and MySQL for backend; React.js for frontend; integrated PKI and OTP for security

Nouveau Health | React.js, Node.js, Express.js, MySQL, Socket.io, Prisma | Github — Aug 2023 – Dec 2023
- Engineered a health insurance and patient management platform with distinct portals for patients, doctors, and providers. Implemented Google and DUO 2FA using React.js, Node.js, and MySQL to strengthen login security.

ACHIEVEMENTS

- Aurigo Spot Award for demonstrating strong technical design skills to resolve complex scenarios, **exemplifying ownership**.
- Aurigo Spot Award for contributing to a major product upgrade of the Essentials platform, demonstrating **Invent & Simplify**.

EDUCATION

Indiana University — Bloomington, IN
Master of Science in Computer Science (GPA: 3.87) — Aug 2023 – May 2025
JSS Science and Technology University — Mysuru, India
Bachelor of Engineering in Electronics and Communication Engineering (GPA: 9.11) — Aug 2017 – July 2021