

Rhythm Aphale

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Summary

Software Engineer with experience building scalable full-stack applications, real-time architectures, and AI-powered productivity tools. Skilled in designing performant APIs, optimizing databases, and leveraging modern development practices to accelerate development cycles, improve code quality, and deliver production-ready solutions that enhance user engagement and operational efficiency.

Experience

Software Development Engineer I TechSwamy

June 2024 – Present
Bangalore, Karnataka

- Developed an AI-powered productivity platform with automated invoice generation and real-time task management reducing manual processing time and improving team collaboration efficiency across multiple projects.
- Architected and implemented backend services for data processing, workflow automation, and team collaboration features, integrating external APIs with intelligent data validation and caching layers for high reliability.
- Designed and implemented real-time collaboration features including task management with drag-and-drop functionality, live updates, and state persistence across distributed systems.
- Developed high-performance APIs with async processing and strategic caching achieving optimized response times and seamless user experience.
- Optimized database queries, implemented indexing strategies, and improved caching layers, significantly reducing API response times and enhancing system scalability.
- Established CI/CD pipelines with containerization and comprehensive test coverage to ensure reliable deployments and maintain code quality across production environments.

Frontend Developer Intern Agetware

March 2024 – May 2024
Bangalore, Karnataka

- Developed and maintained web platform components by translating design specifications into fully responsive and accessible user interfaces with pixel-perfect implementation.
- Implemented frontend features for project and task management modules, integrating backend APIs to fetch and display real-time data with optimized rendering performance.
- Enhanced UI performance and accessibility through code optimization, lazy loading strategies, and adherence to web standards and best practices.
- Participated in agile development cycles including sprint planning, code reviews, and feature testing to maintain high code quality and team velocity.

Technical Skills

- **Languages:** JavaScript, TypeScript, Python, HTML5, CSS3, SQL
- **Frameworks:** React, Next.js, Django, NestJS, Tailwind CSS
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Firebase
- **System Design & Architecture:** REST APIs, Real-time Systems, Caching Strategies, Asynchronous Processing
- **AI Tools & Development:** AI-powered code generation, Automated testing, Performance optimization
- **Version Control & DevOps:** Git, GitHub, GitLab, Docker, CI/CD Pipelines, Linux
- **Other:** API Design, Database Optimization, Performance Tuning, Component Architecture, Responsive Design

Achievements

- **Amazon ML Summer School 2023 — Amazon** — Completed comprehensive training in machine learning algorithms including supervised learning, deep neural networks, and dimensionality reduction techniques.
- **Persistent Martian Summer Internship — Persistent Systems** — Applied data science methodologies for statistical analysis and data visualization with hands-on experience in database management and programming.

Education

Bachelor of Technology (Computer Science Engineering - Data Science) — 7.93 CGPA
Oriental Institute Of Science And Technology

Aug 2020 – July 2024
Bhopal, Madhya Pradesh