Rohan Pawar

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(Actively seeking Software Engineer intern roles)

SUMMARY

Software Engineer skilled in enhancing performance through microservices and API optimization. Experience at Helix Stack Technologies and Evonix Technologies. Currently pursuing a Master's degree in Information Technology and Management.

WORK EXPERIENCE

Software Engineer July 2020 - December 2022

Helix Stack Technologies LLP, Pune, India

- Developed 50+ AWS serverless Lambda functions, leading transformation of a monolithic application into 20 Microservices, yielding a 25% performance boost and increased scalability by 10%
- Engaged with requirements gathering and workflow design team to ensure a seamless user experience. Consumed APIs and leveraged custom Material components in React and Angular while handling CORS
- Improved query response time by 30% through indexing and experimented with data denormalization to optimize query count, bringing about a 25% database performance boost for read heavy tasks
- Maximized project outputs using Sprints, JIRA, and Kanban for tracking and task visualizations, ensuring 100% task efficiency

Software Developer Intern December 2019 - May 2020

Evonix Technologies Pvt Ltd, Pune, India

- Conducted API load testing using Postman to pinpoint performance bottlenecks, contributing to a 15% enhancement in API speed and responsiveness
- Worked closely with designers to transform visual concepts into functional code, using React and TypeScript. Optimized site performance with efficient coding, responsiveness, and added user facing features
- Collaborated with team through Jira to review and understand code, actively contributed to commenting and documenting coding processes and solutions

EDUCATION

Illinois Institute of Technology – 3.7 GPA Expected May 2025

Master’s in information technology and management

Relevant Course: Open Source Programming, Service Oriented Architecture, Frontend Development

Savitribai Phule Pune University, Pune, India May 2020

Bachelor’s in computer engineering

Relevant Course: Object Oriented Programming, Human Computing Interface, Data Structure, and Algorithms, Database Management Systems, System Engineering and Project Management, Software Modelling and Design

SKILLS

Programming Languages: C, C++, SQL, Java, JavaScript, Python, TypeScript, Shell Scripting
Technologies: AWS, Azure, Node.JS, Express.JS, React, Angular, Vue.JS, REST API, HTTP, Axios, HTML, CSS
Tools: GitHub, Bitbucket, Postman, Visual Studio, IntelliJ, NetBeans, Jupyter, JIRA, Docker
Databases: PostgreSQL, MySQL, MongoDB
Soft skills: Adaptability, Creativity, Leadership, Initiative, Continuous Learning

ACADEMIC PROJECTS (Illinois Institute of Technology)

Online Food Ordering Web App (Node.js, Express.js, MySQL)

- Employed secure user authentication, while also documenting Node.js processes and database schemas and preparing comprehensive reports for process analysis and improvement
- Utilized multiple data storage solutions, including databases, key-value stores, and blob stores, led to a 40% improvement in order management and streamlined delivery tracking processes

Hospital Bed Management Web App (Node.js, Express.js, Firebase, EJS, HTML, CSS)

- Created responsive user interface, enabled CRUD operations, and real time data updates to organize hospital data. Built using higher order functions to enhance application modularity and maintainability
- Executed routing techniques to respond to incoming HTTP requests following dynamic query parameters, thereby catering to a multiple page model with 100% accuracy
- Hosted app on Google Cloud using Firebase hosting services for reliable, scalable access to vital resources

Blood Bank Management Application (Java, Java Swing, DB4o)

- Implemented CRUD functionality, catalysing efficient data management, and utilized DB4o object database to maintain dynamic records of blood donors, recipients, and inventory
- Strengthened database system by DB4O as it works as a single entity object with accuracy of almost 100%