Rahul Ubale

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SUMMARY

Software Engineer with experience in enterprise systems, mainframe technologies, and relational databases. Skilled in building, maintaining, and enhancing large-scale applications using Java, SQL, JavaScript, and Cloud services. Adept at collaborating across teams to deliver high-quality, scalable, and efficient software solutions.

SKILLS

- **Languages**: Java, C#, Python, JavaScript
- **Distributed Computing Technologies**: Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions), Linux, Terraform
- **Databases**: Oracle, SQL, MS SQL Server Database
- **Developer Tools**: GitHub, VS Code, Visual Studio, IntelliJ, Eclipse, Postman, Git, Drupal
- **Cloud Computing Services**: AWS (Amazon Web Services), Azure
- **Front-end Web Development**: HTML, CSS, React.js, NodeJS
- **Frameworks and APIs**: REST API, Spring Boot, Spring Framework

PROFESSIONAL EXPERIENCE

Squad Software   **Jan 2024 - Jan 2025**
Software Engineer   *Remote (NJ, USA)*
- Developed and maintained Java EE-based microservices with SQL database for a SaaS platform, resulting in a 20% performance improvement on the Linux platform.
- Developed intuitive UI components using React.js, HTML, and CSS, improving user experience and accessibility compliance.
- Leveraged AWS services including EC2, S3, and Lambda to build scalable and cost-effective cloud solutions, enhancing system performance and reducing operational costs
- Improved system reliability by 20% through database optimization and code refactoring.
- Designed and implemented object-oriented solutions for complex business logic, leading to a 40% reduction in code complexity and a 50% increase in code reusability.
- Fine-tuned Docker and Kubernetes configurations, optimizing container resource usage by 10%

Indiana Daily Student   **Jan 2023 - Dec 2023**
Software Engineer (Managing Editor of Digital)   *Bloomington, IN, USA*
- Led 12 projects, managing a team of web designers, and optimized task assignments to accelerate project completion.
- Identified key insights from data analysis and implemented strategies that boosted user engagement by 15%.
- Mentored 7 new members to set up the projects and conducted knowledge transfer sessions for project overview.
- Operated using Agile Scrum methodology, participating in daily editorial meetings, sprint planning, reviews, and retrospectives.
- Optimized and automated data processing workflows, boosting efficiency by 30% through Python and SQL scripting.
- Implemented custom buildouts in CSS, HTML, React.js, and Vue.js for cross-platform compatibility, enhancing user experience and reducing load times
- Developed interactive data visualizations using React and D3 libraries, resulting in a 30% increase in user engagement on the company's website.

DIPY   **Aug 2022 - Dec 2022**
Software Engineer   *Bloomington, IN, USA*
- Developed and optimized a convolutional neural network (CNN) model using Python and libraries like NumPy and TensorFlow, improving image recognition accuracy
- Documented critical project features, providing detailed descriptions of functionalities for future development and reference.

Line Automation   **Aug 2020 - Dec 2021**
Software Engineer   *Remote*
- Developed distributed microservices in Java and SQL with a React.js UI, ensuring security, scalability, and fault tolerance.
- Crafted and tested REST-style APIs for efficient Back-end communication, using Postman for testing and JSON analysis for DOM.
- Reduced bug resolution time by 30% by utilizing JUnit for testing, resulting in faster delivery of quality software products.
- Utilized Scrum tools such as Jira to track and manage project progress, leading to improved team collaboration and project delivery timelines
- Developed and optimized ETL pipelines to automate the extraction, transformation, and loading of 280 GB of data, integrating CI/CD practices for seamless deployment and monitoring.

EDUCATION

Indiana University - Bloomington

Master of Science, Computer Science
- **GPA:** 3.84
- **Coursework:** Algorithms, Object Oriented design, Software Engineering

Pune University

Bachelor of Engineering, Computer Engineering
- **GPA:** 3.6
- **Coursework:** Data Analyst, Operating System

PROJECTS & OUTSIDE EXPERIENCE

WeatherWiseNet

Personal Project
- Designed Java-based microservice with MongoDB to fetch user weather search history from a Node.js microservice.
- Dockerized all the microservices, load tested the microservices using Apache JMeter and Artillery to optimize API performance.