HIMANSHU VERMA

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Work Experience

Amazon   **Jan 2024 – current**
Software Development Engineer (SDE)   *Bengaluru, Karnataka*

- Designed and implemented single-click multi-region deployment framework using AWS Lambda, Step Functions, API Gateway, CloudWatch, and Route 53, reducing deployment time by 80%
- Automated expansion of 85+ microservices and CI/CD pipelines across AWS regions cutting manual effort from 90 weeks to 9 days
- Engineered fault-tolerant, high-availability services (99.99%) leveraging SQS, SNS, KMS, and DynamoDB, ensuring business continuity at scale
- Optimized pipeline orchestration and deployment workflows, reducing downtime by 40% while maintaining Tier 1 service SLAs
- Collaborated across distributed teams in a remote-first Agile/Scrum environment, ensuring seamless delivery of AWS Q Business suite expansion worldwide

Amazon   **2023**
Software Engineer Intern   *Bengaluru, Karnataka*

- Collaborated with cross-functional teams to identify and resolve bugs, implement OAuth 2.0 authentication for REST APIs, and optimize storage management system using Async Code in Java for Tier 1 and Tier 2 services
- Enhanced worker safety within Amazon Fulfillment Centers by introducing a new feature, resulting in a 5% reduction in workplace incidents
- Orchestrated collaborative efforts within a cross-functional team to create low-level designs, fostering innovation and problem-solving; increased team efficiency and reduced time-to-market by 15%
- Thrived in a fast-paced environment, applying best coding practices, and delivering results within strict timeframes while ensuring maintainability and code quality

Technical Skills

Programming Languages: Java, Python, C/C++, JavaScript, TypeScript, SQL/NoSQL, HTML/CSS

Cloud and DevOps: AWS (EC2, S3, ECS, API Gateway, Route 53, CloudWatch, CloudFormation), Docker, Git, Redis cache

Frameworks and Tools: React.js, React Native, Node.js, Spring Boot, Express.js, JUnit, VS Code, IntelliJ, Jira, Confluence

Projects

SaveASoul (Next-Gen Community Safety Platform)

GitHub: https://github.com/himanshu608/saveasoul

- Building a full-stack, real-time, cloud-native emergency response system using TypeScript, React Native, Node.js, and AWS, enabling instant alerts and location sharing to nearby volunteers
- Implementing geospatial proximity-based alerting, real-time WebSocket notifications, and intelligent concurrency management, ensuring high reliability and low-latency response under peak loads
- Deploying backend on AWS with serverless architecture, secure authentication and authorization, end-to-end logging, monitoring, and CI/CD pipelines, delivering a scalable, fault-tolerant, and secure platform for community safety

Education

Indian Institute Of Information Technology, Kota   **2019 – 2023**
Bachelor of Technology in Computer Science and Engineering   *Jaipur, Rajasthan*

- **Core CS Subjects:** Operating Systems (OS), DBMS, Computer Networks, Distributed Systems, Data Structures, Algorithms, OOP (Object Oriented Programming)

Achievements

- **Hackathon Winner (Amazon Internal):** Developed a real-time cloud-native analytics platform for Amazon warehouse workers using AWS Lambda, SQS and CloudWatch, securing 2nd place among 17 teams
- **Leadership in Sports:** Captained IIIT Kota Chess Team, representing institute in inter-college tournaments, demonstrating leadership, strategy, and team management