DIVRIT SAINI

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EDUCATION

Arizona State University, Ira. Fulton School of Engineering   August 2023 - May 2025
Master of Science - Information Technology   GPA: 4.0/4.0
S.R.M University, India   August 2015 - July 2019
Bachelor of Technology - Computer Science and Engineering

PROFESSIONAL EXPERIENCE

Cognizant Technology Solutions, Bangalore, India   December 2019 - July 2023
Software Engineer

- Led an 8-member team in Cognizant's internal project, managing Angular and Spring Boot aspects. Skillfully coordinated with cross-functional units, integrating Netflix OSS components for a robust project architecture.
- Designed and developed a Spring batch processing system for bulk data uploads, reducing manual entry by 80%. This system efficiently handles over 1 million transactions per hour, enabling swift retrieval of batch responses in Excel format.
- Engineered authorization and logging filter libraries, enhancing security in Microservices. Streamlined over 10 Java-based Microservices, cutting redundant development and boosting operational productivity.
- Crafted webpages with Angular Framework to meet varied client requirements at Rabobank, Netherlands, boosting the digital experience for over 2.5 million users.
- Leveraged Kafka Library, Liquibase scripts, and Spring Cloud services to create efficient microservices. This was enhanced by a message bus service, reducing latency by 30% and increasing reliability by 20% for dependent applications.
- Exercised initiative by optimizing schemas for 5 propositions, leading to a 30% query performance enhancement.
- Ensured system reliability by creating and implementing over 20+ alert and dashboard rules in DataDog and Splunk for rapid error resolution in Microservices.

YAS Enterprise, Delhi, India   June 2019 - December 2019
Junior Python Developer

- Developed over 20 Python RESTful APIs leveraging Flask, now integral to several organizational solutions, elevating user satisfaction and process efficiency.
- Expanded UI with infinite scroll, driving a 35% user engagement surge, and deployed and managed 4 containerized applications on AWS with Kubernetes.

SKILLS

Languages, Frameworks: Java, Spring Boot, Spring MVC, Mockito, Python, C/C++, HTML, CSS, JavaScript, TypeScript, Angular, Node.js, Flask, Bootstrap, Selenium.
Methodologies, Technologies: Agile, Scrum, SDLC, Apache Kafka, RESTful Web services, Hibernate, JPA, JUnit, Micro Service, Docker, Jenkins, Kubernetes, AWS, Azure, PCF.
Tools, Databases: IntelliJ IDEA, Eclipse, Visual Studio Code, Postman, Git, Linux, Maven, Gradle, Swagger, Data Dog, Splunk, SonarQube, MySQL, MongoDB, PostgreSQL, Oracle 11g.

ACADEMIC/PERSONAL PROJECTS (Github.com/Divrit)

Full Stack Tweet Application

- Devised a Spring Boot and Angular-based application with Maven, enabling admins to manage employee records through comprehensive CRUD operations with robust exception handling and error logging.
- Integrated an interactive upvote/downvote system, automated email notifications, JWT authentication, and MySQL, ensuring secure and dynamic user interaction and data persistence.

MaskRadar: FLIR-Enhanced Thermal Mask Detection

- Innovated a Thermal Face Mask Detection System, integrating Raspberry Pi with FLIR technology and MobileNetV2 CNN, for reliable identification in low-visibility scenarios: smoke and nighttime.
- Expertly interfaced a Lepton FLIR camera with Raspberry Pi, capturing high-quality thermal data pivotal for machine learning model accuracy in mask detection.

ACHIEVEMENTS AND CERTIFICATIONS

- Earned AWS Certified Cloud Practitioner Certification.
- Recognized as a Star Performer by Cognizant for my innovative solutions and collaborative success.
- Earned Java Certification and received a Golden Badge for proficiency in Java and Problem-Solving from HackerRank.
- Awarded the Nation Builder Award and certification from the President of the Rotary Club, Haryana.
- Got 86% (2nd highest) in the CDE (Cognizant Digital Engineering) assessment.