SHREY SHAH

(447)–902–1978 | sshah023@illinois.edu | LinkedIn | Github | Portfolio | Urbana, IL

WORK EXPERIENCE

Country Financial | Urbana, USA

Software Engineer II   **May 2024 — Present**
- Architected **6+ GitLab** pipelines for API testing, automating **50+** test suites, cutting test runtime **68%** via parallel execution
- Developed a solution to generate **GitLab** email reports for test summaries, increasing reporting efficiency by **30%**
- Enhanced UI regression test coverage to **75%** using a **Python** script with **Robot** Framework for automation

Software Engineer Co-op   **Jan 2024 — May 2024**
- Led a team of **4** to implement modern secure image registry solutions using **Docker**, **GitLab**, and **Azure Registry**
- Pioneered a **GitLab** pipeline for image vulnerability scanning and alerting, enhancing system security and visibility by **40%**
- Designed a WCAG-compliant **Angular/Spring Boot** single-page application, reducing policy review times by **25%**

Yahoo | Champaign, USA   *Software Engineer Intern II*   **May 2023 — Aug 2023**
- Automated **AWS EMR** cluster deployment via a **Python** CLI using Boto3 SDK, reducing manual effort by **70%**
- Leveraged **AWS** services (S3, EC2, VPC) to boost productivity by **35%**, crafting CloudFormation templates for IAM roles
- Transformed manual prerequisite verification process, decreasing time from 10+ minutes to **30 seconds** with intuitive feedback
- Orchestrated large-scale deployment by developing a **Chef** recipe for agent installation across **50,000+** Hadoop hosts

Barclays | Pune, India

Software Engineer   **Jul 2019 — Jul 2022**
- Drove **OpenShift v4** migration for payment inquiry service, achieving a **20%** reduction in pod start time and compliance
- Engineered high-performance **REST APIs** with **Spring Web**, attaining **80%** code coverage through robust **JUnit** testing
- Built a **Java/Spring Boot** payment validation service, delivering **10x** performance boost using **Kafka**, microservices, and multithreading in an **Agile** environment
- Enabled workload virtualization to VMs and configuration management via **Chef** to facilitate resiliency and horizontal scaling
- Optimized **SQL** query performance by **25%** and decreased debugging time by **30%** through **AppDynamics** observability and **Elasticsearch** log monitoring
- Elevated **CI/CD** pipelines with **Jenkins** and **Shell scripts** enabling streamlined builds and **1-click** deployments
- Mentored **40+** team members on Chef technology while collaborating with Level 2 team for seamless production releases

Intern Analyst   **May 2018 — Jul 2018**
- Formulated 6 critical test scenarios for trade booking models, lowering defects by **10%** using **JUnit** and **TDD**
- Programmed a **Java** module for trading utility, enabling interconversion of 9 message types and simplifying data fields

SKILLS

Languages: Java, Python, SQL, Ruby, Shell, JavaScript, TypeScript   **Databases:** Oracle, MSSQL, PostgreSQL, MongoDB, Neo4j
Frameworks: Spring Boot, Angular, Django, REST, Scrum   **Cloud:** Amazon Web Services (AWS), Microsoft Azure
AI/ML: Scikit-learn, TensorFlow, Keras, NLTK, OpenCV   **Analytics:** Excel, R, Tableau, Power BI
DevOps: Git, Chef, Jenkins, GitLab, OpenShift, Docker   **Tools:** Kafka, Postman, Maven, IDEs, Jira, Confluence

EDUCATION

University of Illinois at Urbana-Champaign, USA   **Aug 2022 — May 2024**
Master of Science in Information Management — **3.96/4.0**

Sardar Patel Institute of Technology, University of Mumbai, India   **Jul 2015 — May 2019**
Bachelor of Engineering in Computer Engineering — **3.89/4.0**

PROJECTS

CollaBro: Code Collaboration [Link]   **Jun 2024 — Aug 2024**
- Implemented a real-time code collaboration platform using React.js and Node.js with WebSockets to enable efficient code sharing and editing among developers

Vogue Vaani [Link]   **Jun 2023 — Aug 2023**
- Modeled a Streamlit application that recommends top 5 fashion items using ResNet50 for image classification; achieved an F1-score of 0.88 through OpenCV-driven image augmentation on a 44K+ image dataset

Leetcode Problem Search Application [Link]   **Apr 2023 — May 2023**
- Created a Django web app for Leetcode problem retrieval with 200ms response time; secured CRUD operations via role-based access control on AWS RDS (Aurora PostgreSQL), for high availability and 99.99% uptime

LEADERSHIP & ACHIEVEMENTS

- Increased engagement by 20% as MS/IM Program Representative through course enhancements based on student feedback
- Represented Payments Hub Team at the Barclays Tech Expo in 2022; showcased the adoption of microservices architecture
- Co-authored and published the paper 'Wireless IoT based Solution for Women Safety in Rural Areas' in ICCES [Link]