Akshat Shah

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EXPERIENCE

WELLS FARGO | Software Engineer
July 2022 – Present | Bengaluru

- Working on pivotal **modernization** and **resilience** initiatives involving migrating from legacy to a domain-driven microservices architecture
- Developing a critical **event-based service** to onboard ~2k automobile loans daily to loan servicing systems, a dependency for downstream services (e.g. payments, customer services, default management, collateral recovery)
- Strenghthened crucial touchpoints using the circuit breaker pattern with async fallback mechanism using **Kafka** for 9 clients posting ~250k daily audit messages to a service
- Set up multiple **Splunk** dashboards and 15+ alerts for increased observability into the audit message service, which helped the team proactively monitor and manage incidents
- Delivered an **expedited change** for an unanticipated audit event (involving insertion of 6M+ records) upcoming in the following week that would have lead to inconsistent records causing massive impact to multiple business processes with compliance issues
- Worked on key POCs - using OCR for contract processing to extract form fields, to save 5 hours of manual data entry per day per employee; a **React-Flask-SQLite** leaderboard for contributions to initiatives
- Led a **semi-finalist** team for a **global organization-wide hackathon** for AI-generated voice detection

WELLS FARGO | Software Engineering Intern
April 2021 - June 2021 | Remote

- Engineered a microservices architecture involving **Node** (Express), **Python** (Flask), **Elasticsearch** for filtering, scoring of resumes for given job descriptions. Dataset had 2k+ documents in different formats.
- Built an interactive web app allowing users to search for candidates and tuning their search using **ReactJS**,
- Worked on **Natural Language Processing** for scoring resume content according to the job description
- Brought the code coverage of unit tests up to 90.2% for the React client and 86.0% for the scoring service

PROJECTS

SCM WITH LOCATION TRACKING Android, Node, React, Maps, Neo4j Graph DB, PostGIS

- Implemented an **Android** app with map navigation for transport of shipments
- Web dashboard for visualizing location of shipments in real time and verification codes for shipment check-ins
- Utilized **graph database** for managing multiple stages (locations) in a supply chain and links between them

PIXNRY - A SKRIBBL.IO CLONE React, Socket.IO, Canvas, Chakra UI

- Used **websockets** for real-time communication
- Implemented the drawing board using **Canvas**
- Included sounds and animation, player join/drop-off, leaderboard

EDUCATION

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE
BTech in Information Technology
Aug 2018 - June 2022 | Mumbai
CGPA: 9.21 / 10.0

SKILLS

PROGRAMMING
Languages

Proficient: JavaScript, Python, C#
Familiar: Java, C++

Concepts
OOP, Design Patterns, TDD, BDD

TECH
Web: Front-end
React, TailwindCSS

Web: Back-end
Express, Flask, ASP.NET Core

Testing
Jest, XUnit, Cypress, React Testing Library, SpecFlow

Machine Learning
Scikit-Learn, PyTorch

Tools
Linux, Git, Docker, MongoDB, Kubernetes, Helm, Splunk

COMMUNITIES

Community of Coders, VJTI
Core Member, 2019-2022
Website Developer • Magazine Curator • Project Mentor • Workshop Instructor

Society of Robotics and Automation, VJTI
Member, 2018-2019
Workshop Instructor

LINKS

Github: **akshatshah21**
LinkedIn: **akshatshah21**
Website: **akshatshah21.github.io**