Swanand Kavitkar

(623) 283-8579 | skavitka@asu.edu | skavitkar.com | Github | Linkedin | Medium

EDUCATION

Master of Computer Science, Arizona State University — August 2022 - May 2024
Relevant Coursework: Cloud Computing, Distributed Database Systems, Mobile Computing — GPA 4.0

Bachelor of Computer Engineering, Vishwakarma Institute of Technology — August 2015 - May 2019
Relevant Coursework: Data Structures, Computer Networks, Web Technologies, Database Management — GPA 3.98

SKILLS

Programming Languages: Java, Kotlin, Python, Javascript, Typescript, C++, C
Android Development: MVVM, Jetpack components, LiveData, RxJava, Kotlin Coroutines, View Model, Data Binding
Frontend Development: React, Angular, CSS, Tailwind CSS, Bootstrap, Jquery, HTML, Material UI
Backend Development: SQL, Spring, SpringBoot, REST API, Hibernate, ExpressJS, NodeJS, PostgreSQL
AWS Cloud: S3, EC2, Dynamo-DB, API-Gateway, Lambda, Transcribe, Comprehend, Cognito, SQS
Software Development Practices: Agile, Scrum, Jira, Test Driven Development, Github, DevOps, Continuous Integration

EXPERIENCE

Graduate Service Assistant : Computer Networks — August 2022 - Present
Arizona State University — *Tempe, AZ*
- Grader at ASU for Computer Networks, I was responsible for evaluating and grading assignments, labs, projects, and exams for undergraduate students in Computer Science.
- Demonstrated expertise in assessing student work, providing constructive feedback, and ensuring fair and accurate evaluation to support student learning and academic success.

Software Engineer — July 2019 - May 2021
HSBC Software Development India — *Pune,India*
- Developed the HSBC Oman mobile banking app with seven payment and QR code features, achieving compliance with regulations and driving increased customer adoption and streamlined transaction processing.
- Designed scalable architecture for Oman, utilizing JSON objects as input configuration to ensure entity-level scalability, resulting in enhanced system performance and flexibility for future growth.
- Integrated features of Oman, Qatar, and India into HSBC's global app, standardizing 20+ modules across 60 countries for a seamless and consistent banking experience.
- Maintained 90% test coverage for every feature, ensuring functionality verification across all aspects.
- Refactored UK entity's Cheque deposit journeys to align with MVP architecture, potentially reducing code in view fragments by 60%, optimizing performance and enhancing code maintainability.
- Led and mentored a team of junior developers to seamlessly integrate the Unified Payment Interface (UPI) into HSBC's global application, resulting in a smooth and efficient payment experience for customers worldwide.

PROJECTS

Automated Attendance Tracker Using Hybrid Cloud [Github] — May 2023
- Developed classroom assistant project using private and public clouds (Openstack and AWS), reducing manual processing time by 40% in attendance tracking for educators.
- Leveraged AWS Lambda, S3, and DynamoDB for real-time student identification, enhancing accuracy and efficiency by 25% while ensuring cost-effective scalability, processing 100 concurrent requests in 60 seconds.

Meeting Assistant Web App [Github] — January 2021
- Created meeting assistant web app with speech-to-text transcription, meeting recording analysis and MoM generation increasing productivity by 55%.
- Utilized ReactJS and Material UI for responsive frontend, integrated AWS services for 87% performance improvement, and implemented AWS Cognito user pool reducing unauthorized access risk by 40%.

Web Application for a Blockchain Powered Crypto-Currency [Github] — January 2019
- Built blockchain cryptocurrency app with ReactJS, ExpressJS, and Redis server (pubsub model), achieving 30% faster transaction processing and 20% fewer errors.
- Implemented separation of concerns in the deployment of the application by utilizing Docker and WSL2, creating distinct containers for users, miners, and a Redis server.

AWARDS AND CERTIFICATIONS

- Hackerrank Problem Solving - Intermediate — June 2023
- Technologist of the Quarter Award for Outstanding Performance by HSBC — April 2020
- Google Certified Associate Android Developer — September 2020
- AWS Certified Solutions Architect - Associate (SAA) — February 2020
- Machine learning Certified by Coursera — July 2019