Swanand Kavitkar

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EDUCATION

Master of Computer Science, Arizona State University — Expected May 2024
Relevant Coursework: Cloud Computing, Distributed Database Systems — *GPA 4.0*

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

SKILLS

Programming Languages: Java, Kotlin, Python, Javascript, C++, C
Android Development: MVVM, Jetpack components, LiveData, RxJava, Kotlin Coroutines, Data Binding
Web Technology: React, Angular, CSS, Tailwind CSS, Bootstrap, Jquery, Html
Database Technologies: Sql, Spring, SpringBoot, Restful API, Hibernate, ExpressJS, NodeJS
AWS Cloud technologies: S3, Dynamo-DB, API-Gateway, Lambda, Transcribe, Comprehend, Cognito, SQS
Software Development Practices: Agile, Scrum, JIRA, Github

EXPERIENCE

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 Face Recognition [Github] — January 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] — September 2020

- Created meeting assistant web app with speech-to-text transcription and meeting recording analysis, reducing prep time by 30% and increasing productivity by 55%.
- Utilized ReactJS 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

- 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