SAHANA SUDHAKARA

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EXPERIENCE

Santa Clara University   Present

Software Developer, Flutter, *Santa Clara, CA*

- Developed an app connecting students with tutors for the UniConnect project utilizing Node.js and Flutter for backend and Native Application development
- Developed the backend systems for GoodBuys, a social justice application promoting ethical practices

Thoughtworks   Sep 2021 - Aug 2022

Software Development Engineer I, *Bangalore, India*

- **I**mplemented several features in MVVM architectural pattern for Standard Chartered Bank, Singapore
- Improved user interface responsiveness and overall user experience by implementing Jetpack Compose functions
- Enhanced app performance, reliability, and data security by implementing a robust network layer using Kotlin Coroutines
- Strengthened app foundations with unit tests using JUnit and Mockito, and instrumentation unit tests with Espresso
- Mentored junior engineers on team, aiding in professional development and overall contribution to team

Cognizant Technology Solutions   Sep 2018 - Sep 2021

Software Development Engineer I, *Bangalore, India*

- Led the revamp of the legacy Traveler's insurance application, achieving a 40% improvement in scalability by migrating to a microservices architecture
- Leveraged Pivotal Cloud Foundry to optimize deployment and integrated Swagger for API documentation, ensuring faster releases and enhancing developer collaboration
- Developed an Angular-based web tool that streamlined premium calculations by directly fetching data from a micro service, earning praise from clients and team
- Boosted application performance by 25% through targeted optimization of database queries in a complex data retrieval scenario

SKILLS

- **Programming Languages:** Java, Kotlin, C#, Python, Javascript, Typescript
- **Mobile Development:** Android, Flutter
- **Web Development:** Angular, ASP.NET REST API, Spring framework, Spring Boot Tools, Node.js, Express.js
- **IDEs:** Visual Studio, IntelliJ, Eclipse, Android Studio, Git, SVN
- **Testing Frameworks:** JUnit, Mockito, xUnit
- **Database:** SQL Server,Mongo Db
- **Other Tools:**AWS, Jenkins, Docker, Gradle, PCF, Splunk, Kubernetes, Postman

EDUCATION

Santa Clara University GPA: 3.7, *Santa Clara, CA*

Master of Science, Computer Science and Engineering.

- Relevant course work : Distributed Systems,Artificial Intelligence, Machine Learning,Object Oriented Analysis

Dr. Ambedkar Institute of Technology GPA: 3.94, *Bangalore, India*   June 2014 - June 2018
Bachelor of Engineering in Electronics and Communication

ACADEMIC PROJECTS

Google Developer Student Club's solution challenge 2024-Safe Spot App(Android Jetpack Compose-MVVM, Kotlin)

- Developed an Android app using Jetpack Compose and Firebase to deliver proactive city safety instructions
- Applied machine learning techniques, including linear regression and clustering, to predict city safety scores, visualized on interactive native maps.

Inrix Hackathon 2023(Flutter,AWS, GoLang for backend)

- Developed a sleek, cross platformed community based traffic and navigation app using Flutter
- Optimized performance and system reliability by developing scalable backend services and APIs using Go

CERTIFICATION

- AWS Cloud practitioner
- Spring Boot and Microservices (Cognizant Internal)