

Pavitha Pichaimani

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SUMMARY

Skilled Software engineer with 8+ years of strong experience in **Android** development, designing, developing, and implementing scalable and responsive applications. with a willingness to learn and practice IoT and cloud technologies like DevOps. GOF Design Patterns & OOP Practitioner

SKILLS

Proficient • Java • Android SDK • Python • JetPack Compose • Kotlin • OOPs • ASOP • Dagger • protobuf
• SQL • No SQL • MongoDB • DynamoDB • AWS • Kinesis • Data Structures and algorithms
Familiar • IoT • Distributed Systems • Cloud Technology • Microservices • BlockChain

WORK EXPERIENCE

Zealogs

Mar 2023 - till now

Senior Software Engineer - Medtronic (Client)

Bangalore (India)

- Designed and Implemented **Android System App** for peritoneal dialysis device using **SOLID** principles and **Android** Design Principles.
- Implemented GUI design using **Jetpack Compose**, Room DB for local storage, used **HMAC** algorithms for USB access and MVVM
- Integrated Medical device to IoT Cloud service and sending data automatically via sensors to the server
- Conducted code reviews for team members, ensuring adherence to coding standards and best practices, which improved overall code quality by 40%
- Architected a robust local storage solution to securely store and manage the treatment history using **protobuf** and **Room**.

Capgemini

Apr 2021 - Aug 2022

Software Development Engineer - Android

Bangalore (India)

- Designed and Implemented new product features for Subway online food ordering application using **SOLID** principles and **Android** Design Principles. Experience with **MVP** and **MVVM** architectural patterns.
- Following Test Driven Development (**TDD**) practices. Writing unit tests using **Junit 5** and **Mockito** and helping define the overall testing strategy to achieve 100% code coverage.
- Involve in technical analysis, UX discussion, and **API design** discussions. collaborate with quality engineers, iOS and backend teams to ensure **consistency** and **quality** in all phases of app development.
- Working in an **Agile** programming environment to define stories, do estimations, and plan sprints
- Well-versed in the version control system (**Git**), memory management, multi threading, asynchronous and Reactive programming (Rx Java), Networking library (**REST API**) and Software development life cycle (**SDLC**).

TTi Global

Feb 2017 - Feb 2020

Android Developer

Chennai (India)

- Worked on Online training and assessment **Android** applications for the automobile industry such as **Suzuki**, **Renault**, and **PACCAR**. It provides knowledge of products to its sales executives and tracks their performance. Using this app improves their sales executives performance by 89%.
- Implemented Design patterns like Observer, Adapter, Facade, Dependency Injection and more.
- Configured code coverage and code review library using **Jacoco** and **SonarQube** which increases **performance and quality of code** from 65% to 90%.
- Mentoring and coaching newly hired team members related to applications and processes that helped to reduce onboarding time by 54%.
- Communicate with teams across **Automation**, and Release team to coordinate deliverables and dependencies.

Anand Tech Media

Sep 2012 - Dec 2014

Associate Android Developer

Chennai (India)

- Solely designed and developed 5+ end-to-end kids learning apps with intuitive User Interfaces using **animation** which guide young learners on a delightful journey through key skills in math, reading, phonics, writing, and more.
- Onboarded and supported various android applications on to Azure DevOps CI/CD pipeline.

EDUCATION

2008 - 2012 Bachelor of engineering in Computer Science at **Anna University** (GPA: 8.4/10)

ACHIEVEMENTS AND CERTIFICATIONS

2021 - 2022 Advanced Certification in Software Engineering for Cloud, Blockchain and IoT from **IIT Madras** [Link](#)

- Designed and Built Smart Farm Water Management IoT application in **Python** as a capstone project and deployed on **AWS** using AWS EC2, S3, SNS, Lambda, Kinesis, DynamoDB and Cloudwatch.
- Written cloud formation template and deployed AWS resources.

[Link to all Projects](#)

2023 - 2024 Won quarterly recognition award for exceptional performance and contributions to Dialysis device “the development of Treatment session” and “successful implementation of a critical IoT integration”.