

# Jenny Diep

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## Skills

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**Languages:** Kotlin, Python, Typescript, Javascript, XML, HTML, CSS.

**Frameworks:** Jetpack Compose, React, Flows, Kotlin Coroutines, Ktor, JUnit, Espresso, Mockk, Detekt, Android Views, Kotlin Multiplatform, Compose Multiplatform, Tailwind, Material UI, Astro.

**Technologies:** Android, Linux, Git, CICD, MVVM, BLE, Docker, Typst, Websockets, AWS S3, DynamoDB, AWS Cognito, AWS CDK, Kinesis Video Streams, AWS IAM, AWS Amplify, Figma, Illustrator, Photoshop.

## Work Experience

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**Rekovar, Inc. | Lake Forest, CA**

**Jan 2023 – Present**

### Software Engineer

- Lead design and development of infant monitoring mobile application for home use capable of live video streaming and live sensor data charting.
- Developed cross-platform mobile application using Kotlin Multiplatform and Compose Multiplatform which supports Android and iOS.
- Designed cloud IaC using AWS CDK creating reproducible testing, staging, and production environments.
- Mentored test engineers on medical device verification testing standard operating procedures.
- Oversaw quality management system to uphold BSI ISO 13485 certification for design and development of medical devices.

### Junior Software Engineer

- Developed a patient monitoring/data collection Android application in Kotlin with video, audio, and Bluetooth Low Energy (BLE) integration for in hospital use.
- Streamlined data analysis backend for data engineering team, integrating AWS cloud services such as S3 and DynamoDB database.
- Designed CICD pipelines for automated testing and integrated remote error logging with Sentry reducing crashes by 30%.
- Implemented data analysis tool in Python for filtering SpO2 and computing RMSE against predicate devices.
- Developed company website to boost company visibility and engagement by 20%.

**CrabLabs | Remote**

**Aug 2024 – Present**

### Software Engineer (Contractor)

- Designed UI/UX mockups in Figma for power consumption monitoring system.
- Developed company website with Astro and TailwindCSS
- Integrated remote admin configuration web frontend utilizing REST API, NextJS, React, and Material UI.

## Education

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**University of California, Irvine**

**June 2021**

Irvine, CA

Bachelor of Science, Computer Science