Farzad Barzin

Versatile Full-Stack Engineer with a passion for building high-quality, scalable, and user-centric products.

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PROFESSIONAL EXPERIENCES

Staff Software Engineer | BEX Realty | July 2021 - Present

- Spearheaded two major projects at BEX Realty: BEX Realty mobile apps and Agent CRM.
- Served as product manager, mobile architect, team lead, and lead developer, driving product vision and execution.
- Hired and led a team of one designer and one developer, collaborating with stakeholders to define product scope, roadmap, and release strategy.
- Architected the frontend with Flutter, implementing BLoC and Clean Architecture for maintainability and scalability.
- Developed over 90% of the CRM backend services using FeathersJS, Sequelize, MySQL, and Postgres, ensuring a robust infrastructure.
- Combined engineering leadership, product ownership, and hands-on development, delivering high-impact tools that empowered real estate agents.

Senior Software Engineer | BEX Realty | June 2018 - June 2021

- Developed a mobile app for agents to manage leads using Flutter, Dart, and RxDart, ensuring a seamless user experience.
- Architected and built a Backend For Frontend (BFF) system for mobile apps using Kotlin, Ktor, and MySQL, optimizing performance and scalability.
- Designed and developed a messenger web app for Client Concierge Representatives using Nuxt, Vue, WebSocket, and Twilio, enhancing communication workflows.
- Developed and maintained backend APIs and the main website using FeathersJS, Postgres, and Vue.js, ensuring a robust and scalable infrastructure.

Lead Android Engineer | Chewy | Oct 2016 - June 2018

- Led the Android team, owning the Chewy v1 app and driving new feature development.
- Re-architected the app to v2 using Clean Architecture, MVVMP, RxJava, and gRPC for improved scalability and performance.
- Optimized UI and dependency management with Dagger 2, Butter Knife, and Data Binding, achieving feature parity with the website.

Android Engineer | Charter Communications | June 2014 - Oct 2018

- Developed and integrated DVR features into the Spectrum TV Android app, enhancing functionality post-Bright House Networks acquisition.
- Built the BHTV Android app, turning mobile devices into TV screens and ensuring a smooth transition to Charter Communications' infrastructure.
- Implemented a custom metrics system and worked with Adobe Primetime SDK for Live TV, On-Demand streaming, HLS, DRM, and Dynamic Ad Insertion (DAI).

TECHNICAL SKILLS

Programming Languages

TypeScript, JavaScript, Dart, Kotlin, Java, Python

Frameworks & Libraries

Flutter, BLoC, Android, NestJS, FeathersJS, NodeJS, Ktor, NextJS, React, Nuxt, Vue, TailwindCSS

Databases

Postgres, MySQL, MongoDB, Firestore, Redis, and more

Tools & Platforms

GCP, GraphQL, gRPC, WebSocket, Firebase, Algolia, Hasura, Stripe, and more

EDUCATION

Mapua University

Master of Science in Electrical Engineering

Azad University

Bachelor of Science in Electrical Engineering

SIDE PROJECTS

Substance Use Disorder Stigma Research DevOps

LLM based classification with few-shot learning using OpenAI GPT models

GDG Philly co-organizer

Organizing events and DevFest conferences