DARSHAN RANDER

Software Engineer at UBS

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EXPERIENCE

Software Developer Engineer at UBS　　　　　　**Pune, Maharashtra | Aug 2023 – Present**
- Awarded the Engineering Excellence Award for contributions to our suite of applications
- Working on micro-frontend architecture using React.js and Angular
- Building a user feedback mechanism with LLM based filtering, summarization and report generation
- Migrated our frontend applications from on-premises servers to cloud
- Improved application's Time to Interactivity by 30%, by implementing code splitting and reducing bundle size

Summer Intern at UBS　　　　　　**Remote | Apr 2022 – Jun 2022**
- Developed a Obserability stack to monitor and analyze logs of our applications
- Reduced crash recovery and diagnostic time from over 2 hours to under 3 minutes (over 40x reduction)

Fullstack Developer Intern at Stratzy　　　　　　**Thane, Maharashtra | Mar 2023 – Jul 2023**
- Reduced crash rate by 50% using Firebase Crash Analytics to identify and fix crashes
- Spearheaded major refactoring in the codebase to reduce 5000+ compiler warnings to 500
- Built for multi-theme support for different tiers of users
- Owned the implementation of the feature for investors to diversify their investments in low and high risk securities

Flutter Developer Intern at Posha　　　　　　**Remote | Jul 2021 – Feb 2022**
- Developed a Flutter app for mobile and the embedded screen on Julia – Posha's cutting-edge cooking robot
- Worked with GraphQL for hydrating data and implemented a caching layer improving data loading times
- Utilized Box2D Physics Engine to build a gamified user on-boarding

PROJECTS

AntiLang | Website, GitHub | *Golang, WASM*　　　　　　**Feb 2025**
- An interpreted esoteric programming language written in Go that is logically correct but syntactically reversed
- Developed a custom lexer, parser, and evaluator for the language along with an online code editor embedded with interpreter
- The interpreter is compiled for all platforms and also to natively run in browsers using WASM

Heartry | Play Store, GitHub | *Flutter, Google Drive, Android*　　　　　　**Jan 2021 – Ongoing**
- 41k+ organic installs on Google Play Store and 5k+ Monthly Active Users (MAU)
- Enable users to create images from customizable template for their social media
- Implemented auto-backups to Google Drive to align with a privacy-first approach of building

PicArch | GitHub | *Python, PyTorch, Postgres, pgvector*　　　　　　**Mar 2025**
- Python-based face detection and face similarity search tool
- Integrated InsightFace, a prebuilt model for face encoding and pgvector for efficient storing of image vector embeddings
- Built to search a given face on a photo library based on faces detected

TECHNICAL SKILLS

- **Languages**: Dart, Java, Kotlin, SQL, JavaScript, TypeScript, Golang, HTML, CSS
- **Technologies**: Flutter, Angular, Node.js, React.js, Next.js

TALKS AND CONFERENCES

- **Building AntiLang: A language in reverse** at OTC Meetup #5 on Apr 2025 - blog
- **Animating Flutter Canvas** at Flutter Roadshow Mumbai on Dec 2024 - blog
- **Dart Side Backend** at Flutter Ahmedabad on Feb 2023 - blog

PUBLICATIONS

- **BackGen—Backend Generator.** Rander, D., Dani, P., Panjwani, D., Ingle, D. (2023). In: Fong, S., Dey, N., Joshi, A. (eds) ICT Analysis and Applications. ICT4SD 2023. Lecture Notes in Networks and Systems, vol 782. Springer, Singapore. https://doi.org/10.1007/978-981-99-6568-7_34

CERTIFICATIONS

- AZ-900 - Azure Fundamentals by Microsoft

EDUCATION

Mumbai University　　　　　　**CGPA - 8.99 | Jul 2019 – May 2023**
Bachelor of Engineering in Information Technology　　　　　　*Mumbai, Maharashtra*