

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 an Observability 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 Stratzky

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 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 Poshha

Remote | Jul 2021 – Feb 2022

- Developed a Flutter app for mobile and the embedded screen on Julia– Poshha'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

Heartry | [Playstore](#), [GitHub](#) | Flutter, Google Drive, Android

Jan 2021 – Ongoing

- 45k+ organic installs on Google Play Store and 5k+ Monthly Active Users (MAU).
- Enables users to create images from customizable templates for their social media.
- Implemented auto-backups to Google Drive to align with a privacy-first approach.

AntiLang | [Online Interpreter](#), [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.

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:** Python, 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

Bachelor of Engineering in Information Technology

CGPA - 8.99 | Jul 2019 – May 2023

Mumbai, Maharashtra