

JERIN GEORGE

Tartu, Estonia — jerringeorge1998@gmail.com — (+372) 58339395 — Jerin George

Summary

An avid Software Engineer and a Masters Student in Software Engineering at the University of Tartu. Passionate about building and scaling applications. Proven team player with expertise in collaborating with multiple teams. .

EDUCATION

University of Tartu , Tartu, Estonia
Msc in Software Engineering

Enrolled: September 2023 — Present

PES INSTITUTE OF TECHNOLOGY , Bengaluru, Karnataka
B.E in Information Science and Engineering

Enrolled: July 2016 — JULY 2020

EXPERIENCE

University of Tartu (Research Intern)
Research Intern

Tartu, Estonia
September 2024 – Present

- Improved upon the current **Vue.js** frontend application for real-time vehicle monitoring , maps integration etc
- Implemented **MQTT** protocol integration for real-time bidirectional communication between python backend and frontend, achieving sub-50ms latency
- Developed RESTful APIs using **Python** for autonomous vehicle data management, enabling seamless integration between simulation and visualization components
- Collaborated with robotics researchers to implement autonomous driving algorithms.

Platform Commons Org
Android Developer(Mobile)

Bengaluru, Karnataka
August 2020 - July 2023

- Responsible for developing a mobile application in **Kotlin** and **JAVA** which was used by over 10,000 users .
- Helped modularise existing application into plug and play libraries that helped in reusability of the code in various applications.
- Implemented multilingual support functionality that increased user accessibility across 10 different languages, resulting in over 30% increase in app downloads/user engagement.
- Helped rewrite an already existing Kotlin native application in **Flutter** which helped increase our customer base by 50 times as we were able to have an application on the app store for iOS Users. Used **Provider** for state management.
- Day to Day responsibilities included integrating REST APIS ,building buttery smooth UI with **XML** and **JET-PACK COMPOSE**.
- Writing testcases in Junit with a coverage of 90% which brought down debug time for code significantly.
- Was also responsible for overseeing code reviews and merging pull requests
- Crafted a media management solution leveraging **Exoplayer** and **Matisse libraries**, empowering the customer service team to upload and play media files effortlessly; now supporting over 500 media uploads per month.
- Implemented robust error tracking with **Crashlytics**, enabling rapid identification and resolution of app crashes, which led to a 25% increase in app stability and enhanced overall user engagement.
- Play Store Link to Apps can be found here
- 1) Urvi - Click here 2) Urvara - Click here

Adinav Labs
Software Developer Intern

Bengaluru, Karnataka
July 2019 – March 2020

- **Developed a feature-rich Co-working Application** for both web and mobile platforms, enabling property owners to list apartments for sale and allowing customers to seamlessly book rooms for work. The application achieved a significant milestone of **5,000+ active users** on the Google Play Store.
- **Enhanced user engagement** by integrating third-party APIs like **Google Maps** for location-based services and **Firebase Push Notifications**, which led to a **2x increase in user activity** post-implementation.
- Leveraged strong expertise in **React.js** and **React Native** to build dynamic, user-friendly interfaces, ensuring a consistent and responsive experience across web and mobile platforms.
- Built a robust backend using **Node.js** and **MongoDB**, optimizing performance and reliability to handle high user traffic efficiently.

Projects

• 0.0.1 Currency Converter Application

- A mobile application written in Kotlin that helps you convert your currency with ease.

- **0.0.2 Running-Tracker-app**

- Android application developed in Kotlin to check your jogging and running data.

- **0.0.3 Namer-App**

- Mobile application built on flutter used to display random names from an api on the press of a button.

SKILLS

- **Operating System:** MacOS, Linux, Windows.
- **Programming Languages:** JAVA,Kotlin,JAVASCRIPT,DART
- **FrameWorks:** JETPACK COMPOSE,SPRINGBOOT,FLUTTER,NodeJs.
- **ARCHITECTURE :** MVVM,MVC.
- **Databases :** MYSQL, POSTGRES,MONGO DB,ANDROID ROOM.
- **Cloud Platforms:** Azure ,AWS.
- **Software:** MS EXCEL, ANDROID STUDIO,VISUAL STUDIO CODE ,FIREBASE,PLAY CONSOLE.
- **Communication:** English: Advanced Proficiency. Estonian: Beginner Level Proficiency

Courses

- Developing Android Apps with Kotlin [UDACITY]
- Advanced Android with Kotlin [UDACITY]
- Flutter Crash Course For Beginners [UDEMY]

Achievements

- **Second Place in the IEEE Hackathon for developing an ML model to correct your sitting posture .**
- **Placed third in a Talent Competition in my College**