Luke Geyser

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 github| linkedin

EDUCATION

Bachelors Degree in Computing (Software Engineering) Jan 2018 - Dec 2021
Belgium Campus University *Pretoria, South Africa*

SKILLS

Programming Languages Swift | Java | C# | JavaScript | Dart

Technologies SwiftUI | CoreAnimation | CoreData | CoreLocation | UIKit | Angular | ASP.NET | .NET Core | Spring

EXPERIENCE

Entelect Jan 2023 - Current Date
iOS Software Engineer *Remote*
- Working in an Agile team on a project-to-project basis, for Discovery South Africa, delivering an application to more than a million monthly users.
- We work in a combination of both SwiftUI and UIKit, to support the older architecture of the application.

LexisNexis Jan 2022 - Dec 2022
Full Stack Software Engineer *Remote*
- Full-Stack Software Engineer working on solutions ranging from front-end Angular Development, to back-end asp.net development to manage the database to support the two products I work on. Working in an agile environment.

MiNET Consulting Jul 2020 - Dec 2021
Full Stack Software Engineer *St Francis Bay, South Africa*
- FullStack Software Engineer working on custom hardware solutions running android, building Android services to manage data between custom hardware protocols to give access to control the hardware to front-facing applications.
- ReactJS web portals (with server-side APIs and Database setup / Management) to manage these custom hardware solutions, in real-time data from devices being managed, as a solo developer for the company.

RSA Group Jul 2019 - Jun 2020
In House Application Developer *Johannesburg, South Africa*
- Developed a Xamarin Cross-platform application for in-house use.
- Connected application to the company's Azure AD to connect meeting schedules, and contact information of colleagues, as well as a built-in store so that employees had an all-in-one system to purchase items needed for office use.

Belgium Campus University May 2020 - Dec 2020
Knitting Assistance App *Pretoria, South Africa*
- Worked on a Knitting application whereby you can have an account management, browse, and search for new items to Knit from Ravelry. You can see all the information such as steps to complete the Knit, all the materials needed and much more.
- Database design using Firebase, and set up real-time application updates using Firestore

NOTABLE PROJECTS

Discovery Vitality Fit Jul 2023 - Feb 2024
iOS Engineer *Remote*
- Working with a team of developers building a new feature that allows users to find gym facilities near them using a map locator, purchase classes or sessions at the chosen facility, and pay for the classes through various payment methods.
- Front and back-end development using SwiftUI and Java (Spring) frameworks, respectively. Self-hosted back-end allows for better scalability and customization.
- With this approach, we can allow for millions of concurrent users daily, with the Global Discovery app reaching more than a million concurrent users daily.
- Integrated with Firestore analytics to help aid in crashes and track the performance of the application

EventsLance Jan 2022 - Jul 2023
iOS Engineer *Remote*
- Social Events driven social media application built using SwiftUI. Event planner for organizations to have an all-in-one solution for engaging with their audience and getting detailed statistics on their events.
- Built using Firebase (Serverless backend), making use of Firebase's real-time features to allow for event interactions and real-time statistics.
- Includes certain features such as CoreLocation to allow for auto check-in at events, and explore events near you.
- Firebase Authentication is used for quick and reliable authentication for the application.

MiDevice   **Jul 2020 - Dec 2021**

Full Stack Software Engineer   *St Francis Bay, South Africa*

• Independently built an Android service that acted as an API between hardware and a front-facing client interface.

• Android service spoke directly to the hardware using custom protocols over serial to control certain features, such as making purchases through NFC, controlling LEDs based on certain device states, printing receipts, and tracking GPS location accurately to know exactly where the device is at all times.

• The devices are used on public transport buses in Johannesburg as a cashless payment solution.

• Built tamper features into the service that would notify the client-facing application as well as the monitoring portal, whether the device had been tampered with, if paper on the device had run out, or even if any essential component of the device was not working as expected.