BROOK JEYNES

Software Engineer

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in /in/brook-jeynes

SUMMARY

I love exploring and learning about anything related to computing. Building reliable and robust programs that are small in memory footprint and efficient is a challenge that I enjoy tackling. I am always striving to learn more about computer systems and teach these concepts and ideas to others through technical videos and blogs that I create. Some of which include teaching various computing topics such as character encoding and general language tutorials.

SKILLS

Languages: Zig, JS/TS, React.js, Node.js, Golang, C, C#

Technologies: Unix and/or GNU/Linux, Git, Docker, AWS, Azure, GitHub Actions

EXPERIENCE

03/2024 - Current **Software Engineer** — **Tina.io**
As a core back-end team member at TinaCloud, I worked with Golang, Node.js, and AWS-based architecture to ensure site reliability for customers. My responsibilities included solving challenges related to authentication, database storage and migrations, and integrating external services seamlessly. Furthermore, I provided customer support via Discord and GitHub discussions, helping users with TinaCMS-related issues.

05/2022 - Current **Software Engineer** — **SSW**
Using a series of front-end stack technologies (Typescript/ReactJS/NextJS), I worked in teams to develop websites for clients and end users. I also worked with back-end frameworks such as .NET to create reliable back-end services.

08/2021 - Current **Private University IT tutor** — **Freelance**
I privately tutor university students in a variety of languages and tech stacks.

03/2023 - 11/2023 **Software Developer** — **TechnologyOne**
Work integrated learning for QUT final year IT Capstone project. I worked in a team to build a roadside hazard detection system. Specifically, I worked on the back-end Rust API and React Native mobile application. This involved hazard detection and imagine manipulation-based operations to ensure hazards were properly outlined as well as ensuring the correct data packets were sent from API to both web and mobile applications to then be presented to users.

07/2021 - 05/2022 **Junior Software Developer** — **TestLab360**
I wrote front-end software for a cloud-based construction material management system. I also built MVP mobile applications using React Native.

EDUCATION

2021 - 2023 **Bachelor of Information Technology with a major in Computer Science** — **Bachelors - University**
Graduated from QUT (Queensland University of Technology) with distinction - 6.7 GPA

2020 **ICT30115 Certificate III in Information, Digital Media and Technology** — **TAFE**
Graduated from TAFE Queensland

2020 **Senior School Queensland Certificate of Education** — **School**
Graduated from St Peter Claver College

VOLUNTEERING

2022 - Current **Open Source** — **Freelance**
I have contributed back to open source projects I use through code contributions, bug reports, and related discussions. Some of which include Bun, Zap, and the Leptos website

03/2022 - 11/2023 **STIMulate Peer Learning Facilitator** — **QUT**
I supported university students undergoing their studies in a variety of languages and tech stacks.