

BROOK JEYNES

Software Engineer

 brookjeynes.dev  jeynesbrook@gmail.com
 Brisbane, Australia  github.com/brookjeynes
 /in/brook-jeynes

SUMMARY

I love exploring and learning about anything related to computing. I'm especially interested in embedded systems, firmware development, and tooling. Building reliable, robust programs that are small in memory footprint and efficient is a challenge I enjoy tackling. I'm always striving to learn more about computer systems and to teach these concepts and ideas to others.

SKILLS

Languages: Zig, Rust, C, JavaScript, C#, Python

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

EXPERIENCE

- 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. The project consisted of the following tech stack:
- Machine Learning Model: Python
- Website Development: React + NextJS
- Mobile Development: React Native
- API: Rust + Actix
- Hosting/Storage/Queue: AWS EC2/SQS/S3
- 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.

PROJECTS

- Youtube **Technical videos** youtube.com/@chooky_
I make technical videos teaching varying computing topics. Some of which include tutorials on socket programming or informative videos on shared memory.
- Blog **Technical blog** brookjeynes.dev
I write technical blogs teaching varying computing topics. Some of which include tutorials on Rust web assembly and creating backend services.