Harrison Cook

Software Engineer · Full-Stack Development · Cloud Architecture

Overview

A Software Engineer with 4+ years of professional experience delivering maintainable, production-ready systems in `TypeScript` and `C#` within complex, high-stakes environments. My background in musical theatre provides a unique foundation in creative problem-solving, collaboration, and clear communication. Transitioning from stage lights to system calls, I am now actively specializing in low-level and systems programming with `C`, `Zig`, and `Lua`, driven to build the elegant, high-performance engines that power games and advanced software.

Experience

Software Engineer *at Splitting Point Studios* .... **Sept 2025 - Now**

Remote, NZ

- Engineering the debut of a dream - transforming a spark of imagination into something the world's never laid eyes on.

Software Engineer *at Xero* .... **Aug 2024 - Sept 2025**

Wellington, NZ

- Maintained and extended critical legacy IIS applications, reverse-engineering undocumented workflows to deliver new features without disrupting business operations.

Software Engineer *at Z Energy* .... **Nov 2021 - Aug 2024**

Wellington, NZ

- Maintained and enhanced a distributed microservices ecosystem processing millions of daily requests, ensuring services stayed secure, stable, and up-to-date with the latest libraries.

Education

Bachelor of Engineering (First Class Honors), Software Engineering ..... **Feb 2018 - Nov 2021**

Victoria University, Wellington, NZ

- Specialization: Networked Applications
- Dean's List for Academic Excellence; 2018 - 2021

Notable Skills

- **Backend & Enterprise Development**
  - `ASP.NET`
  - `TypeScript`
  - `C#`
- **Cloud, DevOps & Infrastructure as Code**
  - `AWS`
  - `GitHub Actions`
  - `Git`
  - `Terraform`
- **Development Environments & Tooling**
  - `Neovim`
  - `Visual Studio Code`
  - `Rider`
  - `Visual Studio`
- **Systems & Low-Level Languages**
  - `C`
  - `Rust`
  - `C++`
  - `Zig`
- **Scripting Languages**
  - `Bash`
  - `PowerShell`
  - `Lua`
  - `Ruby`
- **Web & Frontend Frameworks**
  - `HTML`
  - `React`
  - `JavaScript`
  - `Vue.js`

References available on request: Xero, Z-Energy, + More