

Bastian Ghasemi *Software Engineer*

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Software engineer with hands-on experience building financial systems for clients and a solid open-source track record in backend services, developer tooling, and browser extensions. Strong in Rust, Go, and TypeScript. Looking for full-stack, platform, or developer tools roles centred on performance systems.

SKILLS

- Languages**
Rust, Go, TypeScript, JavaScript, Python, SQL, Java
- Backend Systems**
Go (goroutines, services), Rust (Actix, low-latency servers), REST APIs, PostgreSQL, concurrency patterns, Docker
- Frontend & Desktop**
React, Svelte, Astro, TypeScript, Electron, browser extensions
- Testing & Quality**
Unit testing, property-based testing, end-to-end testing, fuzzing, debugging
- Infrastructure & DevOps**
Docker (optimisation, caching), CI/CD, Linux/UNIX, observability, build pipelines
- Paradigms**
System design, API design, clean architecture, technical documentation

PROFESSIONAL EXPERIENCE

- Software Developer & Consultant** 2025 – 2026
Veritas Advisory London, UK
 - Built and maintained a full-stack capital allowance and classification system used by both clients and internal teams.
 - Developed an Excel-integrated editor and automated classification workflows.
 - Added AI-powered layers that significantly simplified previously manual classification and overview processes.

EDUCATION

- Computer Science (BSc)** 2023 – 2025
[Royal Holloway University of London](#)  London, UK
Completed undergraduate coursework through Year 2.
 - Relevant modules: Operating Systems, Networking, CPU Scheduling & Kernel Internals, Software Project Collaboration
- Foundation Year** 2021 – 2022
[Aston University](#)  Birmingham, UK

PROJECTS

- [Unmoji](#)** 
Zero-dependency Emoji Remover - 5000 monthly users
OpenCode plugin that uses a micro-optimised Unicode regex to strip emojis from agent outputs at high throughput. Validated with property-based testing and benchmarks.
- [WordServe](#)** 
Go-based Autocompletion Library - 300 monthly users
Fast prefix-completion server designed for low-latency clients. Built with Go, Docker, and CI/CD. Includes TypeScript clients for browser and Obsidian integrations.
- [VR8 Converter](#)** 
Rust & Tauri
Desktop tool for lossless conversion of VR8 files using FFmpeg. Built as a lightweight native wrapper focused on reliability and simplicity.
- Open-source Contributions**
 - Author and maintainer of developer tooling and themes, including the Poimandres theme family (Obsidian, Ghostty) and contributions to iTerm2-Color-Schemes. Focused on clean, performant, and well-documented tools used by other developers.