

Eric Jingryd

Rust Developer

Göteborg, Sweden

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Rust developer specialising in security tooling, system hardening, Linux infrastructure, and, in the near future, embedded systems. I build secure, well-structured systems with strong test coverage - most projects ship with 100+ tests and reproducible multi-distribution builds. Completed Systems Sciences coursework at the University of Gothenburg (2023-2025).

Daily Linux user since 2019. Active in the FOSS community; maintain packages on the AUR.

PROFESSIONAL EXPERIENCE

Harbour Worker 2010–2017, 2022–Present

Killingsholmens Varv AB, Gothenburg

- Network setup, electrical work, and IT infrastructure maintenance alongside marina operations
- Logistics and harbour maintenance operations in a small boat harbour environment
- Forklift certification and category B driving licence

Operations, Bar & Register Manager 2012–2021

Pusterviksbaren, Gothenburg

- Responsible for bar operations, staff management, and technical support at events
- Worked with point-of-sale systems and day-to-day service management

Team Leader and Bar Manager Jul 2017–Sep 2018

Storms Pakhus, Odense, Denmark

- Led and coordinated team in Odense's largest street food market
- Responsible for daily operations, staff scheduling, and quality assurance

Operations Manager Jun 2006–Mar 2015

Jazzklubben Nefertiti AB, Gothenburg

- Led operations across 6+ functional areas at one of Gothenburg's premier jazz venues
- Managed staff scheduling, supplies logistics, and technical event support
- Coordinated bar, front-of-house, and light/sound support for live events

Administrator May 2005–Apr 2011

FrölundaData AB (IT for Disabled), Gothenburg

- IT administration: order processing, invoicing, and inventory management systems
- Website maintenance, customer support, and production coordination
- Translation services and transport logistics

EDUCATION

Systems Sciences 2023–2025

University of Gothenburg

Completed courses: AI & Machine Learning (VG), Cybersecurity (7.5 ECTS), Databases (VG, 7.5 ECTS), Introduction to Programming (VG, 7.5 ECTS), Human-Computer Interaction (7.5 ECTS), Society's Digitalisation (15 ECTS), Challenge-Driven Development (VG). Project work in Intermediate Programming, Organisations, and Strategy, Architecture & Governance.

Game Development 2019–2020

Malmö University

Game Design (7.5 ECTS), System Development and Project

Interdisciplinary University Studies 2005–2010

University of Gothenburg & Stockholm University

Broad academic foundation spanning History of Ideas, Environmental & Natural Resource Management, and Portuguese. 120+ ECTS across humanities, natural sciences, and languages.

TECHNICAL SKILLS

Programming Languages

Rust (Primary), TypeScript, Python, JavaScript, Bash, C/C++ (C23, learning), C#, SQL

Frameworks & Tools

Actix-web, Tokio, PostgreSQL, SQLx, MySQL, SQLite, Redis, HTMX, Tauri, Leptos, Slint, GTK4, Bun, SolidJS, Docker, Git, JetBrains IDEs

Security

Cybersecurity, System Hardening, Penetration Testing, OSINT, OWASP Standards, Cryptography (Argon2id, Ed25519), JWT Authentication & RBAC, MCP-driven AI Pentest Tooling

Compliance

GDPR, HIPAA, NIST 800-53, PCI-DSS, CIS Benchmarks, DISA STIG

DevOps & Infrastructure

Linux (Arch, Debian, Fedora, RHEL), Hyprland, systemd, Docker Compose, Virtualisation (VMware / VirtualBox / QEMU/KVM), VPN, CI/CD (GitHub Actions), nginx + Let's Encrypt

Packaging

PKGBUILD (AUR), RPM .spec, Debian changelog

AI & Machine Learning

BitNet b1.58 (hand-rolled in Rust), Transformer Architectures, Ternary Quantisation (STE), CUDA / cuBLAS / Tensor Cores, AVX-512 SIMD

Protocols & Standards

MCP (Model Context Protocol), JSON-RPC 2.0, Server-Sent Events, UCI (chess engine protocol)

LANGUAGES

Swedish	99	Native
English	97	C2
Portuguese	95	C2
French	90	C1
Danish	75	B2
Norwegian	75	B2
Spanish	55	B1

OPEN SOURCE PROJECTS

Raven Nest MCP

MCP pentesting server wrapping 16 security tools plus Metasploit behind a 6-layer safety architecture; 34 endpoints, 179 tests.

Rust, MCP, AI, Pentesting, Metasploit, OWASP, Automation, Security
github.com/tidynest/raven-nest-mcp

Linux System Hardener

Plugin-based Linux hardening framework with signed checkpoint rollback; 6-distribution support, 714+ tests, published on the AUR.

Rust, Tauri, Leptos, Trunk, WebKitGTK, SQLite, Ed25519, WASM
github.com/tidynest/linux-system-hardener

BitNet Toy

Hand-rolled BitNet b1.58 in pure Rust: SIMD and CUDA matmul, autograd, ternary quantisation, training and inference, with no ML dependencies.

Rust, CUDA, cuBLAS, AVX-512, Machine Learning, Transformers
github.com/tidynest/bitnet-toy

Hyprland Keybind Manager

GTK4 keybinding manager for Hyprland with conflict detection and automatic backups; published on the AUR.

Rust, GTK4, Hyprland
github.com/tidynest/hypr-keybind-manager