

Martti Mourujärvi

SITE RELIABILITY ENGINEER · PLATFORM ENGINEER · SYSTEM ADMINISTRATOR

✉ Helsinki Metropolitan Area, Finland

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✉ Martti Mourujärvi



Education

University of Oulu

Oulu, Finland

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

August 2019 - May 2025

- Cumulative GPA: 4.09/5.0 | Thesis: Building a self-service learning platform using cloud-native tools and GitOps
- Relevant Coursework: Distributed systems, Statistical analysis, Machine learning
- Student tutor for first-year students

Experience

Site Reliability Engineer

Helsinki, Finland

OP POHJOLA

March 2024 - Present

- Handle operations, monitoring, and releases on rotation for the internal developer platform serving 3000+ active monthly users
- Develop internal Backstage plugins instrumented with OpenTelemetry for end-to-end observability
- Architect a telemetry gateway using OpenTelemetry GenAI semantic conventions — token usage, RED metrics, and prompts — to measure AI adoption across the org
- Manage infrastructure-as-code for both developer and AI platforms using AWS CDK and Terraform
- Mentor engineering colleagues on Chaos Engineering through the in-house academy
- Build ephemeral, self-service laboratory instances on Kubernetes with Helm

Junior Developer, Online payments

Oulu, Finland

OP FINANCIAL GROUP

May 2023 - Sep. 2023

- Developed and delivered new features for online payment services running in production
- Improved the team's developer experience by integrating code analysis tools into existing delivery pipelines
- Contributed across the full stack, covering both front-end and back-end development

DevOps Engineer internship

Oulu, Finland

OP FINANCIAL GROUP

May 2021 - Sep. 2022

- Built an automated documentation generation tool covering all services provided by the cloud team
- Integrated code quality checks into change documents for all production builds

Projects

Homelab Kubernetes Cluster

ADMINISTRATOR

January 2026 - Present

- Operate a 4-node Kubernetes cluster that hosts NFS storage for storing and streaming media on my home LAN
- Designed and operate a self-hosted Talos Linux Kubernetes cluster with Cilium CNI, Gateway API ingress, and cert-manager for automated TLS certificate management
- Built a GatewayDNS resource that automatically populates and resolves services behind HTTPRoute names on my VPN
- Deployed a full observability stack (Prometheus, Grafana, Loki, Tempo) for OpenTelemetry support

Multiple Open Source Projects

✉ marttimourujarvi

CONTRIBUTOR

- OpenTelemetry JavaScript Semantic Conventions
- Kubernetes Gateway API Documents
- Backstage
- Dynatrace plugin for Backstage

Skills

Cloud & Infrastructure	Kubernetes, Helm, Terraform, IaC, AWS, Azure, Docker, GitOps, CI/CD
Observability	OpenTelemetry, Prometheus, Grafana, Dynatrace, Observability, Chaos Engineering
Programming Languages	TypeScript / JavaScript, Golang, Python, Node.js
Tools & Practices	Backstage, Git, Postgres, Agile, DevOps

Certifications

CKA: Certified Kubernetes Administrator

THE LINUX FOUNDATION

Credly

February 12, 2026

LFCS: Linux Foundation Certified Systems Administrator

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July 08, 2026

LFC112: Creating Effective Documentation for Developers

THE LINUX FOUNDATION

Credly

August 27, 2025

