Frank Coonrad

Full-stack engineer

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Personal

Kind, curious, attention to detail.
Full-stack, domain oriented.

Core technologies & skills

Full-stack web: JavaScript (TypeScript, Node.js, Express, Fastify), Python (React, Redux/RTK, Django, Flask)
Data visualisation Three.js, Recharts, TradingView/LWC
Data engineering mongo, SQL, Postgres, redis
DevOps AWS, GCP, Azure, Docker, CI/CD, Linux Systems Administration, Networks
Domain knowledge GIS/Geospatial, Finance, Web3, AI/Machine Learning

Experience

Founder, Consulting, R&D — *2023-Present*
epsilon.sh, *~ (remote)*

- Founded epsilon.sh to provide technical R&D services and consulting
- Helped a major Finnish company (low 6-digit customer count) improve their cyber-security
- Developing Remora, a cross-market fulfillment engine for a private customer
- Building a development framework / stack tailored for quick prototyping
- Providing occasional interventions as instructor on full-stack web development

Senior Software Engineer — *2022*
Swappie, *Helsinki*

- Developed C2B/trade-in among an autonomous, self-managed team
- App deployments A/B testing using Google Optimise for data-driven feature evaluation
- Contributed to adoption of Storybook workflows, improving consistency and reusability
- Contributed on web API in Node.js with Redis messaging and PostgreSQL for data storage
- Built operational flows and ERP integrations for finances in Python / Django

Software Engineer, Product/HUB — *2019-2022*
Tosibox, *Oulu*

- Took ownership of Tosibox VCL, a central solution for managing secure IoT networks
- Recovered sources and restored the development environment, enabling production to resume
- Ported the product to major cloud providers (AWS, Azure, GCP), enabling new sale channels

Software Engineering Lead — *2017-2018*
Preligens, *Paris*

- Designed and built architecture for geo-data acquisition, annotation, and satellite imagery processing
- Developed web-based internal tools using React, Node.js, Python, Celery
- Containerized GPU-accelerated computer vision tasks pioneering Nvidia-docker
- Managed hiring and onboarding processes for the software engineering team

Public contributions

binance-api-node, *FOSS, Inverse futures API (PR#602)*
Les Irréductibles, *Volunteering, French National Day 2016*
CVE-2013-5163, *MacOS X, Privilege escalation in DSCL*