

RAJAT KHANDURI

Backend & Systems Engineer

 wthrajat.com

 Remote (CEST timezone)

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PROFILE

Software engineer with nearly five years building payment infrastructure, secure services, and developer tools. I take systems from design through production and contribute across backend, infrastructure, and product interfaces.

EXPERIENCE

Software Engineer

Nov 2024 – Present

Amboss

Remote / Europe timezone

- Own shared identity and commercial API access across Amboss products, including an OAuth 2.0 SSO platform, TOTP two-factor authentication, and L402 pay-per-use access.
- Ship backend services and customer workflows end to end, from NestJS GraphQL and REST APIs to React and Next.js interfaces.
- Contribute to products for Lightning data, liquidity, and payments, including Taproot Assets workflows and LND integrations.
- Operate services on AWS and Kubernetes; maintain CI/CD pipelines and internal tools used to ship production changes.

Software Engineer / Core Maintainer

Nov 2023 – Oct 2024

Openswap

Remote / US team

- Maintained the core Rust libraries, owning wallet storage, public APIs, integration tests, and documentation.
- Cut serialized wallet size by 28.8% by moving storage to binary CBOR.
- Reduced integration-test runtime by 21.7% by redesigning protocol message encoding and decoding.
- Selected for Summer of Bitcoin 2024; rebuilt wallet internals on BDK chain primitives and added RPC synchronization.

Open Source Software Engineer

May 2023 – Sep 2023

XWiki / Google Summer of Code

Remote / XWiki (France)

- Designed and shipped search, facets, theme-aware visualization, and graph lifecycle cleanup.
- Completed 170+ direct commits and resolved 25+ Jira issues; published the documentation, progress report, and demo.

Freelance Software Engineer

Dec 2021 – Apr 2023

Freelance

Remote

- Delivered small web products, APIs, and automation for clients through Upwork, Fiverr, and Freelancer.

OPEN SOURCE

ThunderHub → maintained the Lightning node dashboard across channel setup, asset trading, payments, and self-hosting.

Graphology → packaged the graph library for XWiki and contributed fixes and integration feedback.

Sigma.js → reported issues across dark themes, dragging, documentation, and releases during GSoC.

XWiki Platform → fixed tagging bugs and shipped feature improvements.

PROJECTS

orphanode → Rust CLI that proves unused JS/TS code through cross-workspace reachability analysis.

Coreloop → Self-hosted Go/Next.js learning system with durable jobs and optional LLM enrichment.

unixDM → C++17 download manager with 32 parallel segments, resumable transfers, and worker rebalancing.

ACHIEVEMENTS

Summer of Bitcoin → selected from 5000+ applicants.

Linux Foundation Mentorship → selected from 10,000+ applicants.

Google Summer of Code → selected fellow from the top 2% of 43,765 applicants; shipped a 350-hour project.

CodeChef Long Challenge II → Global Rank 1.

TECH SKILLS

Languages TypeScript, Go, Rust, SQL, Python

Backend Node.js, NestJS, GraphQL, REST APIs, PostgreSQL, Redis, OAuth 2.0

Infrastructure AWS, Kubernetes, Docker, CI/CD, Datadog

Domains Payments, Identity & Access, Distributed Services, Developer Tooling, Bitcoin & Lightning

EDUCATION

Bachelor of Engineering, [Panjab University](#)

Year: 2021 - 2025, GPA: 7.25/10

High School, [Central Board of Secondary Education \(CBSE\)](#)

Year: 2020, GPA: 9.56/10