



Kier Lindsay

Solution Architect | Full-Stack Developer

Full-Stack Applications • Geospatial Data • Linux Systems

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Relocation • kierlindsay.ca
[LinkedIn](#) • [GitLab](#) • [GitHub](#)

Languages

JavaScript C C++ HTML CSS
Python Java PHP SQL Type-
Script (familiar) x86 Assembly

Full stack

Node.js Browser Database OpenAPI Postman JSON Schema DB schema EJS Express pm2 React (familiar) REST APIs Microservices Bootstrap SlickGrid jsPDF

Tools

Git / GitHub / GitLab DigitalOcean Google Cloud Cloudflare WebStorm gdb + web debuggers bash / cron automation OpenCode workflows AWS (familiar) npm Grunt SFML

AI / Vision

TensorFlow OpenCV LLM tooling classic + neural visual recognition U-nets style transfer Prompt Engineering RAG pipelines / LLM apps

Geo / Data

PostgreSQL + PostGIS spatial design Leaflet GeoServer (WMS/WFS) GeoJSON PouchDB / Offline PWA JWT Service Workers GDAL QGIS Vector tiles FastAPI

Profile

Full-stack developer and solution architect building JavaScript applications, geospatial platforms, and offline-capable field tools. Principal developer of PLAN Map and developer of a licensing PWA used in the field for more than three years. Hands-on experience with Node.js, PostgreSQL/PostGIS, Leaflet, authentication, and Linux deployments, supported by a B.Sc. in Computing Science. Brings end-to-end ownership, practical troubleshooting, and clear communication with technical teams and customers.

Employment

Endpoint Ventures — Founder / Developer Jan 2022 — present
Cloud-first geospatial applications and communication tools.

- Develop full-stack applications, custom APIs, EJS build systems, and Alpine Linux backends, taking features from implementation through deployment.
- Build tools that make data and communication more accessible, including npm packages, free.wxl.app, and the freemap.online alpha.

VGeo — Full-Stack Developer / GIS Analyst Aug 2019 — 2023
Web mapping and analysis, open source.

- Led development of PLAN Map, a PostgreSQL/PostGIS, Leaflet, and Node.js platform delivering spatial data and Open Web Services with authentication, user management, and semi-automated module deployment.
- Built TDL, an offline-capable licensing PWA used in the field for more than three years, using Service Workers, JWT, and PouchDB with integrated authentication and database tools.
- Collaborated on application testing, bug fixes, and client troubleshooting across GeoServer/WMS, Apache2, Express, EJS, and interactive mapping interfaces.

Vivint Canada — Manager / Field Tech May 2016 — Aug 2021
Security systems, customer-facing installs.

- Installed cameras and RF security sensors in customer homes; managed client expectations throughout and personally delivered a seam-

Ops

Linux 18+ yrs Critical Thinking SSH Proxy Firewall
Apache2/Nginx pgAdmin Backups
systemd Docker CI/CD (GitHub Actions / GitLab CI) Kubernetes
Terraform / IaC Automated testing
Agile / Scrum

Knowledge

- 18+ years Linux, shell automation.
- Mapping + PWAs, open web services.
- ML in production, vision pipelines.
- Server deployments + troubleshooting.
- Strong communication, customer service, team planning.
- Hardware/software integration, customer training, and technical documentation.

Education

SFU, Burnaby BC

B.Sc. Computing Science, minor Philosophy. Algorithms, AI, value theory. Grad Fall 2021

Hobbies

Game dev, drones/RC, climbing, backpacking, skiing, art, cooking, travel, hackathons

less installation experience.

- Customer service + training, hardware/software troubleshooting, problem solving under pressure, dispute de-escalation.

Projects

- **Chorus** — Multiplatform chatbot integrating WhatsApp, Telegram and Signal as messaging interfaces, unified with one controller that allows clean buildup of an AI chat agent capable of voice notes, transcription and action — custom skill system, todo list, image generation, transcription and description. [Node.js/WhatsApp/Telegram/Signal/AI_agents/voice/skills](#)
- **freemap.online** — Free Leaflet web map leveraging cloud infrastructure and open source libraries to deliver a powerful mapping platform for exploring the world and quickly visualizing data. Integrates with Stripe billing and verifies payments for usage-based billing of pro features. [Leaflet/cloud/open_source/data_visualization/Stripe/usage-based_billing](#)
- **baddy.email** — Email sender implemented on top of Cloudflare Email to bring AI marketing to your project in just a few lines of code. [Cloudflare Email/AI marketing/email API](#)
- **U-nets for Fast Style Transfer** — Collaborated on a machine-learning project evaluating U-net architectures for image style transfer using Python, TensorFlow, and Google Cloud Platform. [Python/TensorFlow/GCP https://github.com/syonfox/machine_learning_project](#)
- **BullChat** — Developed a vanilla JavaScript communication framework built on GUN (Graph Universal Node), simplifying integration of decentralized messaging into JavaScript applications. [JavaScript/GUN/Decentralized applications https://gitlab.com/syonfox/BullChat](#)
- **Asteroid Belt** — Built a C++/SFML game project from scratch, implementing collision detection and game-time management systems. [C++/SFML/Game systems](#)
- **PLAN Map / TDL PWA** — Full-stack web mapping infrastructure built for a client, backed by GeoServer and PostGIS for management of infrastructure in Alberta; handled dynamic project configuration and client map views.

Personal

I build practical tools that help people access, understand, and share their data. My background in computing science and philosophy informs a thoughtful, user-focused approach to software. Open to full-stack development and solution architecture opportunities locally, remotely, or through relocation.

References

Vera Green (VGeo)

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