

Antonin Leprest

Software Engineer | Aspiring Solutions Architect

Lyon, France (relocating to Québec in March 2027) | antonin.leprest@epitech.eu | +33 7 83 30 30 64

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Summary

Final-year Epitech student (Bac+5, 2027) building and deploying cloud-hosted systems on AWS and Terraform. Lead developer of Arbore, an AR app on the App Store. Looking for a Solutions Architect role in Québec from March 2027.

Education

Université Laval, Custom certificate in Information Technology, Québec, QC, Canada | 09/2025 – 05/2026

- Software architecture (GLO-4003), web development (GLO-3102), advanced web (GLO-3112), methodologies (IFT-3003)

Epitech, Master's-level degree (Bac+5) in Information Technology, Lyon, France | 2022 – 2027

- "Expert en technologies de l'information", state-recognized, RNCP level 7

Experience

Teaching Assistant (Intern), Epitech, Lyon, France | 09/2024 – 02/2025, 09/2026 – present

- Supervise Epitech modules: machine learning (computer vision, pre-processing), the first-year piscine, low-level C++
- Taught SQL to Epitech students

R&D Engineer, AI & NLP (Intern), Valraisio, Lyon, France | 03/2025 – 08/2025

- Built an MCP client and server giving LLM integrations context-aware access to internal data tools
- Fine-tuned and evaluated RoBERTa embedding models on ski product data (gold and silver datasets)

Chief Technology Officer (Intern), Lebourgmeestre sàrl, Lausanne (remote) | 07/2023 – 12/2023

- Set the technical strategy alongside the CEO and led mobile and web development
- Designed the REST APIs and ran a fully Dockerized stack across mobile and backend services

Research and Development Developer, Software (Volunteer), PoC Innovation, Lyon, France | 03/2023 – 10/2023

- Built SecureEnv, a tool to manage and synchronize a team's environment variables securely

Projects

Arbore | 01/2026 – present

AR gardening app published on the App Store, lead developer, team of 4 · Swift/ARKit, Go + Gin, Next.js, Python/FastAPI

- Replaced a paid 3D API (30 credits per plant) with self-hosted TRELIS.2 (about 0.01 euro of Colab compute units per plant), behind an automatic quality gate with seeded retries
- Designed a four-module architecture: iOS app, Next.js web, Go + Gin API and Python AI service, plus a 3D asset pipeline
- Made the repository the single source of truth for deployment: Terraform, SOPS + age secrets, CI-built images

Ugram | 02/2026 – 04/2026

Instagram-like app deployed on AWS (Université Laval, 2026) · React, NestJS, PostgreSQL

- Deployed to production on AWS Elastic Beanstalk, RDS, S3 and CloudFront with HTTPS end to end
- Wired CI/CD with GitHub Actions and CloudWatch observability (logs, dashboards, alarms), plus Sentry on the frontend

Ganesh'up | 07/2023 – present

Learning app, built end-to-end, published on the App Store by Lebourgmeestre sàrl (v1.0) · Flutter, Node + TS, PostgreSQL

- Engineered an offline-first sync engine with a persistent queue, exponential backoff and field-level conflict resolution
- Cut deployment to a one-minute atomic script (pg_dump, SHA-tagged build, restart, healthcheck) with 3-2-1 backups

Awards

Hackathon Aldant (Sopra Steria, AWS), Collaborative Spirit prize (Esprit collaboratif), Amazon Bedrock | 10/2026

Skills

Cloud & DevOps: AWS (S3, RDS, CloudFront, Elastic Beanstalk), Terraform, Docker, GitHub Actions, Nginx, Cloudflare, SOPS + age

Architecture: C4 views, ADRs, REST, gRPC, WebSocket / WebRTC, microservices, infrastructure as code

Observability: CloudWatch, Sentry, Prometheus, Grafana

Backend: Go (Fiber, Gin), Node.js + TypeScript, NestJS, FastAPI, Rust (actix)

Programming: Go, TypeScript, Swift, Dart, Rust, C/C++, Python, Haskell

Languages: English (Professional, TOEIC 830), French (Native)