

Alexandre Vanhoutte

SENIOR BACKEND ENGINEER

Backend · Data Systems · Seoul, South Korea

PROFILE

Backend engineer with 6+ years of experience building APIs and data-processing systems. I work primarily with Go, PostgreSQL, and Kubernetes, with production experience in TypeScript and GraphQL. I currently build calculation and time-series workflows for carbon accounting and industrial software, while also working on multi-tenant systems and backend performance.

PROFESSIONAL EXPERIENCE

Glassdome Oct 2024 – Present
Backend Engineer Seoul, South Korea

- Build Go backend services and REST and gRPC APIs, working with product and frontend teams to deliver carbon accounting and industrial performance features.
- Design calculation, aggregation, and time-series processing workflows for carbon accounting and OEE.
- Optimized TimescaleDB queries, reducing one-year industrial data retrieval time from over 30 seconds to around 5 seconds.
- Contribute to multi-tenant authentication and authorization, including OIDC and SAML integrations.
- Contributed to an MCP feature that helps users create carbon models.
- Use Kubernetes, GitHub Actions, and Argo CD to deploy backend services and troubleshoot issues in production.

Qwerky Nov 2021 – Oct 2024
Lead Backend Engineer Seoul, South Korea

- Built and maintained NestJS backend services in TypeScript, including GraphQL APIs for web and mobile applications.
- Contributed to backend architecture and API design, reviewed code, and helped make technical decisions.
- Implemented search features with Elasticsearch, including indexing and search queries.
- Developed backend features for authentication, secure handling of sensitive user data, and payments.
- Managed production deployments on AWS and introduced regression tests and deployment checks, reducing deployment-related incidents by 40%.

Mobile OS Oct 2019 – Nov 2021
Software Engineer Seoul, South Korea

- Built REST APIs for Korean news search and business-data analysis and developed an internal Korean NLP library for lemmatization and part-of-speech tagging.
- Centralized reusable internal libraries and improved release workflows for production data-processing services.

Capgemini Mar 2018 – Sep 2018
DevOps Engineer Intern Lille, France

- Automated health checks, centralized logging, and consolidated ticketing workflows across internal services.

Vekia Apr 2016 – Jul 2016; Sep 2017 – Feb 2018
Backend Developer Intern Lille, France

- Developed Java inventory tools and shared test utilities.
- Built an AngularJS interface to visualize sales and support stock-allocation decisions.

EDUCATION

Epitech Master's Degree, Computer Programming · 2013 – 2018
Keimyung University IT Studies · 2016-17 | Korean Language Studies · 2018-19



CONTACT

Phone: +82 10-4150-1037
Email: alexandre.vanhoutte@gmail.com
Portfolio: alexandrevanhoutte.com
LinkedIn: linkedin.com/in/alexvanhoutte
Work Authorization: Authorized to work in South Korea · No sponsorship required

OPEN TO...

Senior backend roles in South Korea, especially with product teams building backend platforms, data systems, or industrial software.

TECHNICAL SKILLS

BACKEND
Go · TypeScript (NestJS) · Node.js · REST · GraphQL · gRPC · API design

DATA
PostgreSQL · TimescaleDB · Elasticsearch · Neo4j · Redis

PLATFORM & OBSERVABILITY
AWS · Kubernetes · Docker · GitHub Actions · Argo CD · Grafana

EVENT STREAMING & WORKFLOWS
Redpanda · Temporal

ENGINEERING FOCUS
Calculation workflows · Time-series processing · Distributed systems · Performance optimization

LANGUAGES

FRENCH
Native

ENGLISH
Professional Working Proficiency

KOREAN
Basic · Currently Studying

ADDITIONAL

Driving licenses: France, South Korea