

DMITRY THALER

dmitry@thaler.dev • linkedin.com/in/dmitrythaler • github.com/dmitrythaler

+351-913-100-102

Porto, Portugal • Remote only • EU-based B2B contractor

Senior full-stack engineer with a backend focus and 15+ years of experience, primarily in Node.js and TypeScript. Much of my work is at the integration layer: bringing disparate external systems together behind reliable GraphQL and REST APIs. This has included payment gateways, government services, multi-protocol network telemetry, and retail planning systems processing billions of sales and inventory records.

I own the infrastructure behind what I build. On a delivery route-planning platform, I implemented dynamic scaling that provisioned short-lived, high-capacity virtual machines during demand peaks, maintaining performance while keeping cloud spend stable.

I also build front-end features in Vue and React when needed. My broader stack includes PostgreSQL, ClickHouse, Kafka, Redis, AWS, Kubernetes, Terraform and OpenTelemetry. I use LLM tools daily for research, implementation and code review, particularly to understand unfamiliar domains quickly.

SELECTED SKILLS

Backend: Node.js, TypeScript, JavaScript, GraphQL, Apollo, REST, OpenAPI/Swagger, Fastify, Express, OAuth, JWT, authentication and authorization, microservices, distributed systems

Frontend: Vue, Pinia, React, Redux, Apollo, TypeScript, HTML, CSS, Tailwind, SCSS

Data: PostgreSQL, MongoDB, Redis, Elasticsearch, ClickHouse, SQL and NoSQL modelling, OLAP, high-volume data processing

Cloud & Infrastructure: AWS (EKS, ECS/Fargate, RDS, EBS, S3, CloudFront, SNS/SQS, KMS, CloudFormation), Kafka, RabbitMQ, Docker, Kubernetes, Terraform, Ansible, Linux, Nomad, Consul, Vault

Observability & Testing: OpenTelemetry, node:test, Jest, Playwright, CI/CD, performance monitoring

AI-Assisted Development: Claude, LLM-assisted research, implementation, code review, refactoring, testing and documentation

Integrations: Payment gateways (Stripe, PayPal, Square), government and regulatory services, trading exchanges (ICE, APX), Google APIs, email delivery services (SendGrid, Mandrill), geolocation services (MaxMind), social platform APIs

Languages: English (professional working proficiency), Russian (native)

SELECTED PROFESSIONAL EXPERIENCE

Digital Wave Technology - Senior Full-Stack Engineer

Oct 2024 – Present

- Build assortment and allocation planning systems for large international retailers, processing billions of sales and inventory records across merch, location and time hierarchies.
- Own the Node.js and TypeScript GraphQL API and Vue front end, with ClickHouse-backed OLAP services in a microservices architecture.
- Use Claude and the company's internal Wave Agent platform throughout the development lifecycle for research, implementation, code review and technical problem-solving.

Zoopit - Senior Back-End Developer

Aug 2023 - Oct 2024

- Built the backend of a delivery route-planning system for small and medium-sized businesses using Node.js, TypeScript, Fastify, PostgreSQL and microservices on a Nomad and Consul infrastructure.
- Implemented dynamic compute scaling for demand peaks, maintaining application performance while keeping cloud spend stable.
- Owned DevOps and infrastructure work, including Docker, OpenTelemetry observability, and automation with Ansible and Terraform.

IP Fabric - Senior Back-End Developer

Aug 2022 – Jul 2023

- Extended a platform that discovers, models and diagnoses complex computer networks using data collected across multiple network protocols.
- Developed Node.js and TypeScript microservices using Express and ArangoDB, later supporting the transition from ArangoDB to PostgreSQL.

Tia - Senior Back-End Developer

Mar 2021 – Jun 2022

- Developed and improved backend services for a clinic-management platform using Node.js, TypeScript, Express and PostgreSQL.
- Worked across a microservices architecture deployed on AWS using CloudFormation, EBS, RDS, Fargate, SNS and SQS.
- Built and supported containerised services, integrations and production infrastructure.

Applied Blockchain - Senior Full-Stack Developer

Oct 2020 – Mar 2021

- Developed backend integrations and React features for an oil-futures trading platform connected to the ICE and APX exchanges.
- Worked across the Node.js and TypeScript backend and the React and Redux front end, with Docker and Microsoft SQL Server.

Wind Creek Hospitality - Senior Front-End Developer

Dec 2018 – Mar 2020

- Re-implemented the lottery drawings feature of the casino website, using the legacy system as the functional model.
- Built an administration interface for managing drawings, including creation, editing, search and browsing.
- Built a GraphQL and Apollo user interface that updated drawings dynamically, working closely with the design team.
- Extended the player rewards system with a new entity and built its complete administration interface.
- Used React, GraphQL, Apollo, Redux and SCSS.

Danske Spil / Scientific Games - Senior Back-End Developer

Aug 2016 – Nov 2018

- Designed and built more than 40 subscription API endpoints from initial design through production.
- Integrated internal project services and third-party systems, including a payment gateway and government services.
- Wrote the unit-test suite and participated in production commissioning, including legacy-data migration and the production cutover.
- Supported and monitored the system during its first months in production.
- Used Node.js, Hapi.js, Sequelize, Apache Kafka, Docker and a microservices architecture.

RevAPM - Senior Node.js Developer

Oct 2015 – Aug 2016

- Designed and built a fast, scalable submission API for receiving and storing data from mobile devices.
- Added six web endpoints and 16 mobile endpoints to the analytics API.
- Built the customer portal on top of the analytics API, delivering 33 graphs and seven reports across six categories.
- Built a log-shipping service that delivered customer logs through multiple adapters, including Amazon S3, Elasticsearch, SFTP and FTP.
- Deployed and configured Elasticsearch clusters and Logstash-based log delivery.
- Used Node.js, Express, Hapi.js, Elasticsearch, Logstash, MongoDB and AngularJS.

EARLIER EXPERIENCE

Earlier full-stack and backend roles included high-volume APIs and analytics systems for CDN, publishing, retail and collaboration products. The work primarily involved Node.js, JavaScript, MongoDB, relational databases and cloud infrastructure.