



## Thanos Filippidis

### Software Engineer



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Europe/Athens



thanos-filippidis



thanos-fil



Resume

## SKILLS

TypeScript • Go • AWS • PostgreSQL • MongoDB • Docker

## LANGUAGES

Greek (Native)

English

(Professional)

German (Basic)

## TOOLS & PRACTICES

Git

CI/CD

Test-Driven Development (TDD)

Agile (Scrum)



## CAREER PROFILE

Backend-oriented engineering leader with deep experience in TypeScript/Node, Go, AWS serverless, and PostgreSQL/MongoDB, building and scaling web platforms and ML-powered products. Passionate and skilled in crafting clean code, designing scalable software architecture, and leading high-performing teams. Expert in making strategic technical decisions and generating comprehensive technical requirements for complex projects. Committed to delivering timely, high-quality solutions while optimizing development processes and managing cloud infrastructure. Adept at debugging, troubleshooting, and staying current with emerging technologies including AI/ML frameworks.



## SKILLS AND PROFICIENCY

- Languages:** TypeScript, JavaScript, Go, Python
- Backend:** Node.js, Express.js, Go (web servers, microservices, serverless, scripts), REST/gRPC, FastAPI, Web Sockets
- Frontend:** React, Angular
- Cloud & DevOps:** AWS (Lambda, RDS, EC2, S3, CloudFront, IAM etc), CloudFlare, Docker, Linux, bash, CI/CD
- Data & Storage:** PostgreSQL, MongoDB, MySQL/MariaDB, Redis
- ML & AI integration:** LangChain, LangGraph, RAG patterns, vector DBs, LLM-based services
- Practices & Tools:** Git, TDD, code reviews, github actions, Agile (Scrum), Jira, Trello, Asana



## WORK EXPERIENCE

### VODA.ai, Boston MA

#### Director of Engineering

August 2022 - Present

- Leading and scaling the engineering department, growing the team from 5 to 25 talented engineers across Web and Data Science teams through effective hiring, mentoring, and evaluation.
- Managing project planning, execution, and delivery with strong alignment to company goals while coordinating cross-department collaboration.
- Developing and executing technical strategies focused on industry-leading technologies such as **TypeScript, Golang, AWS serverless (Lambda, S3, CloudFront, CodePipeline)**, PostgreSQL, MongoDB, Docker, and gRPC with Protocol Buffers for robust server-to-server communication.

- Designing scalable software architecture and making technical implementation decisions, generating comprehensive technical requirements for complex features and projects.
- Leading an infrastructure migration from MongoDB to PostgreSQL, enhancing data reliability and query performance.
- Managing the AWS cloud environment with an emphasis on cost optimization, resource allocation, and infrastructure delegation to ensure efficient and secure cloud operations.
- Driving adoption of **Test-Driven Development (TDD)**, CI/CD automation, and **agile engineering processes** to improve quality, efficiency, and team productivity.
- Led the definition of the DevOps team's scope and responsibilities, providing final approval and strategic guidance while collaborating closely with team members on their tasks.
- Enhancing engineering workflows and methodologies to support rapid scaling of products and teams, maintaining high standards of code quality and operational excellence.
- Enhancing engineering workflows and methodologies to support rapid scaling of products and teams, maintaining high standards of code quality and operational excellence.
- Overseeing administrative duties while actively contributing to the codebase lifecycle and technical mentorship.
- Managing administrative duties efficiently and contributing to everyday codebase lifecycle.

## Lead Software Engineer - Engineering Manager

January 2022 - August 2022

- Led organization and implementation of end-to-end workflows for the core MERN stack application (MongoDB, Express.js, React.js, Node.js) & PostgreSQL, driving feature delivery and scalability.
- Developed and deployed high-performance **AWS Lambda functions written in Golang** to handle compute-intensive production workloads, optimizing serverless architecture.
- Automated CI/CD pipelines and orchestrated deployments across development and production environments, improving release velocity and reliability.
- Provided technical consultation and mentorship to the Data Science team, enabling smoother integration of ML models and data workflows.

## Software Engineer

February 2021 - January 2022

- Effectively managed and organized the development team to ensure smooth project execution and timely delivery.
- Delegated technical tasks and implemented end-to-end solutions using **JavaScript/TypeScript**, including **React.js, Express.js, and MongoDB**, driving frontend and backend feature development.
- Conducted thorough code reviews emphasizing quality, maintainability, and adherence to industry best practices.

## Tradeline, Athens

### Software Engineer (part-time)

February 2021 - May 2022

- Developed features and tasks using **TypeScript**, including backend with **Node.js, Express.js, MongoDB**, and frontend with **Angular (versions 6 to 9+)**.
- Applied **Golang** for selected backend components, improving performance and maintainability.
- Troubleshoot issues and provided actionable feedback to improve project quality and delivery.

## Software Engineer

February 2019 - January 2021

- Executed end-to-end development tasks primarily in **TypeScript**, utilizing the **Node.js** and **Express.js** ecosystems, along with **MongoDB** and **Angular (6–9+)** frameworks.
- Managed project schedules rigorously to ensure timely delivery and scope control.
- Identified and mitigated technical problems, offering practical alternative solutions.

## Programize, Athens

### Software Developer

January 2017 - January 2019

- Coded web application modules using **JavaScript** technologies, primarily **Node.js**, **Express.js**, **MySQL**, **MongoDB**, **PostgreSQL**, and frontend frameworks including **Angular.js**, **Angular**, and **React.js**.
- Collaborated with project managers and cross-functional team members to deliver quality software.
- Participated actively in client meetings to clarify requirements and provide technical input.
- Worked with Intuition Robotics (outsourcing), focusing on analyzing requirements and developing internal web tools using **JavaScript** stack technologies such as **Firebase**, **Express.js**, and **React.js**.

## EDUCATION

### Hellenic Open University, Greece

#### MSc in Information Systems

September 2019

Studied courses in software engineering, databases, and data mining.

Thesis: "Analysis of text tokenization and comparing texts using Latent Dirichlet Allocation (LDA)"

### 1st Coding Bootcamp of AFDemp, Athens

#### Certification in Full Stack Development - Java class

January 2017

Completed a 6-month intensive coding bootcamp, focusing on full-stack development with Java, Javascript and Typescript.

Final Project: "Development of a web application for the management of queues in institutions and banks in Greece."

### University of Athens, Athens

#### BSc in Physics, Nuclear Physics and Elementary Particles

June 2007

Studied courses in nuclear physics, elementary particles, and quantum mechanics. Used C++, Fortran, Mathematica for simulations, experimental nuclear physics, and data analysis.

Thesis: "The role of transverse momentum of hadrons at scattering of proton with proton to  $\pi$  zero and other supersymmetric particles"

## INTERESTS & HOBBIES

- Passionate about traveling - always excited to discover new countries
- Amateur musician who enjoys playing piano and guitar in my free time
- Love reading, especially science fiction and technology books
- Movie enthusiast who appreciates cinema from around the world