



Thanos Filippidis
Software Engineer



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Europe/Athens



thanos-filippidis



thanos-fil



Resume

SKILLS

TypeScript • Go • AWS • PostgreSQL • MongoDB • Docker

TOOLS & PRACTICES

Git

CI/CD

Test-Driven Development (TDD)

Agile (Scrum)

LANGUAGES

Greek (Native)

English
(Professional)

German (Basic)



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 π 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