

ANGELOPOULOS KONSTANTINOS

Software Engineer

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📍 Athens, Greece

in KonstantinosAngelopoulos

🔗 Angelopoulos Konstantinos

f Facebook

G Google Scholar

RG ResearchGate

🔗 CodeWars

🎮 CodinGame

EXPERIENCE

Senior Full Stack Engineer - CERTH

Robot automation & Drone path planning algorithms

📅 Dec 2025 - Present

📍 Athens, Greece

- Working on Research Projects.

Software Engineer - VAKTRO

React, Typescript, NextJS, NextAuth, Zustand, Docker, TailwindCSS, PostgreSQL, Prisma, SAP Service Layer

📅 Dec 2025 - Dec 2025

📍 Patras, Greece

- Designed, developed, and deployed a full-stack B2B platform for a medical equipment company, enabling streamlined ordering of consumables and replacement parts by doctors and laboratories.
- Built with Next.js, React, TypeScript, Zustand, NextAuth, and PostgreSQL, and delivered on a Kubernetes-based infrastructure with ArgoCD GitOps workflows, automated DB backup/restore pipelines, and a WireGuard-secured networking layer for controlled access to SAP services and internal databases.

Senior Software Engineer - Ground Zero Labs

React, NextJS, GraphQL, ThemeUI, Zustand, Typescript, NodeJS, ExpressJS, Redis, Docker, Kubernetes & Azure

📅 Sep 2021 - Dec 2025

📍 Athens, Greece

Member of 4 Eurobank Agile teams, contributing to the design and development of next-generation credit and lending platform:

- Led the introduction of an MCP Server to enable AI-driven loan-origination services and streamline internal decision workflows.
- Developed a new corporate credit-underwriting platform, enhancing automation, data consistency, and decision accuracy for business lending.
- Built a Visualizer UI leveraging Elasticsearch to surface and analyze credit-underwriting rules used in automated approval processes.
- Supported the development of a mortgage-underwriting and a retail credit-underwriting platform, modernizing assessment workflows and risk evaluation.
- Delivered a unified platform to enhance the Business Credit Card, POS Cash Advance, and e-POS application processes within Eurobank's mobile banking ecosystem.
- Engineered a Node.js microservice for generating PDF and Excel exports of completed credit-underwriting cases, leveraging Redis queues, WebSockets, and streaming pipelines to support an event-driven, scalable document-generation workflow.

EDUCATION

Master of Science (M.Sc.)

Hellenic Open University

📅 Oct 2022 - June 2025

«Master of Science in Data Analysis and Machine Learning»

Master of Engineering (M.Eng.) (8.0)

University of Patras, Mechanical Engineering & Aeronautics

📅 July 2013 - July 2020

Diploma Project:

«Cybersecurity for Industry 4.0»

Diploma Thesis:

«Human-Robot Collaboration for fabric folding using RGB-D and Kalman Filters»

Azure AI Fundamentals

Microsoft

📅 Dec 2024 - Today

Proficiency Certificate for English

ECPE - Hellenic American Union

📅 June 2016

PUBLICATIONS

- [1] Konstantinos Angelopoulos, Panagiotis Koustoumpardis, and Evangelos Dermatas. "Human-Robot Collaboration Solution for Folding Fabrics Based on RGB-D Force and Kalman Filters". In: *Robotics Reports* (2024). DOI: 10.1089/rorep.2023.0018.
- [2] Panagis Foteinopoulos et al. "Development of a simulation approach for laser powder bed fusion based on scanning strategy selection". In: *International Journal of Advanced Manufacturing Technology* (2020). DOI: 10.1007/s00170-020-05603-4.
- [3] Dimitris Mourtzis, Konstantinos Angelopoulos, and Vasilios Zogopoulos. "Mapping Vulnerabilities in the Industrial Internet of Things Landscape". In: *Procedia CIRP Design* (2019). DOI: 10.1016/j.procir.2019.04.201.

PROJECTS

Human-Robot Collaboration for fabric folding

This algorithm is designed to utilize the Kinect 2 RGB-D sensor, the ATI Force Torque Gamma Sensor, the Reflex One gripper and non Linear Kalman Filter estimation to enable the KUKA LWR IV+ industrial robot to assist a Human in folding a rectangular piece of fabric.

[Python](#) [Robot Automation](#) [Sockets](#) [ROS](#) [OpenCV](#)

Real-Time Dynamic Point Clouds

Creating real-time dynamic Point Clouds using PyQt-Graph, Kinect 2 and the python library PyKinect2. It supports color overlay, skeleton tracking overlay and body point cloud overlay.

[Python](#) [PyQtGraph](#) [Kinect2](#) [Point Clouds](#)

WebViewPages

An Electron app that lets you see how your web Application/website shows in Mobile view and Full view at the same time to assist in responsive web designs. Basically a lightweight browser with only the basic tools for web development to boost productivity.

[Javascript](#) [ElectronJS](#) [App](#) [Productivity](#)

Cryptocoins Dashboard tracker

A simple cryptocurrency tracker using coingecko API on the backend and ReactJS & Tailwind CSS for the frontend. Data updates every 4 minutes if page left open.

[Javascript](#) [ReactJS](#) [Tailwind CSS](#) [Dashboard](#)

Web 3 Lottery

A Web3 crypto lottery, based on the Polygon (MATIC), where you can log in with your MetaMask wallet, buy lottery tickets and push your luck to win. Every winner is also gifted a free NFT.

[Turborepo](#) [Typescript](#) [NextJs](#) [Tailwind CSS](#) [Solidity](#)
[Truffle](#) [ThirdWeb](#) [Pinata](#) [Firebase](#)

URL Shortener

A URL shortener app using express & mongodb for the backend and ReactJS for the frontend.

[Javascript](#) [ReactJS](#) [ExpressJS](#) [MongoDB](#)

React Covid-19 Tracker

A simple webpage tracker for covid-19 cases using the disease.sh API for the backend and ReactJS for the frontend.

[Javascript](#) [ReactJS](#) [Disease.sh API](#)

Portfolio Website

My personal Portfolio website, demonstrating my creativity and my projects.

[Javascript](#) [ReactJS](#) [p5JS](#) [EmailJS](#)

Aithra Spirits

Aithra Spirits official website.

[Javascript](#) [Vanilla JS](#)

Blockchain coin

A full fledged blockchain coin using Flask for backend and MongoDB for backend, ReactJS for frontend and Firebase for authentication, authorization and log in functionality.

[Javascript](#) [Python](#) [ReactJS](#) [Flask](#)
[MongoDB](#) [Firebase](#)

Netflix clone

A Netflix clone.

[Javascript](#) [ReactJS](#) [ReduxJS](#) [TMDB API](#)
[Firebase](#)

Facebook clone

A clone of Facebook Home page.

[Javascript](#) [ReactJS](#) [ReactJS Context API](#)
[Firebase](#)

Google clone

A Google clone.

[Javascript](#) [NextJS](#) [Tailwind CSS](#)
[Google Programmable Search Engine](#)

Slack clone

A Slack clone.

[Javascript](#) [ReactJS](#) [ReduxJS](#) [Material UI](#)
[Styled Components](#) [Firebase](#)

Hulu clone

A Hulu clone.

[Javascript](#) [NextJS](#) [Tailwind CSS](#)
[Hero Icons](#) [TMDB API](#)

Tinder clone

A Tinder clone.

[Javascript](#) [React Native](#) [TailwindCSS](#)
[Firebase](#)

Reddit clone

A Reddit clone.

[Typescript](#) [NextJs](#) [NextAuth](#)
[TailwindCSS](#) [Supabase](#)

Trello clone

A Trello clone using ReactJS, React Context API, React DnD, TailwindCSS, Material UI Icons & Styled Components for the frontend, Firebase for authorization, authentication and storing and Pexels API for the image data.

[Javascript](#) [ReactJS](#) [ReactJS Context API](#)
[React DnD](#) [TailwindCSS](#) [MaterialUI](#)
[Pexels API](#) [Firebase](#)