








THANOS BOULMPOS

SOFTWARE ENGINEER

CONTACT

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Greece
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EDUCATION

2016 – 2023
D.U.T.H
Democritus University
of Thrace

2024
Master´s in Electrical
and Computer
Engineering

LANGUAGE

Greek
Native Language

English
Level C2

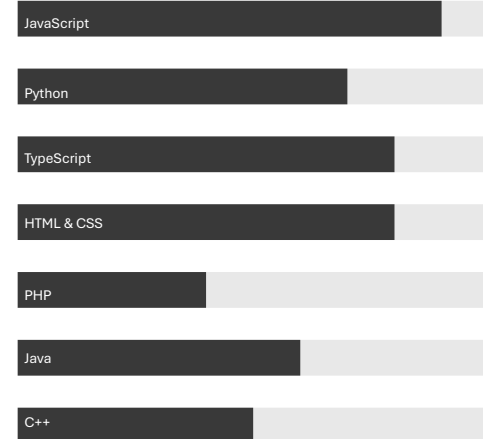
German
Level B1

ABOUT ME

I am a passionate and resourceful Full Stack Software Developer with a Master´s degree in Electrical and Computer Engineering and over four years of hands-on experience building scalable web, mobile and desktop applications. My expertise spans across developing intuitive mobile apps using React Native, robust web applications with Node.JS, Express, MongoDB, PostgreSQL and Redis, as well as desktop solutions leveraging ElectronJS. Committed to delivering high-quality software, I thrive on solving complex problems, continuously enhancing user experiences, and eagerly learning new technologies to stay ahead in the rapidly evolving tech landscape.

SKILLS

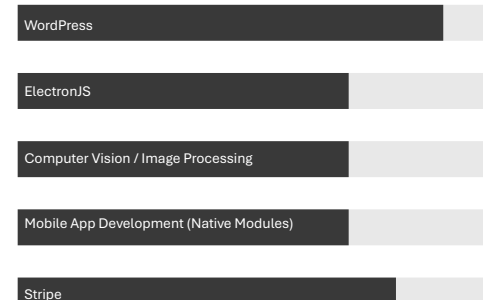
Programming Language & Frameworks



Databases



Other Technologies & Specializations



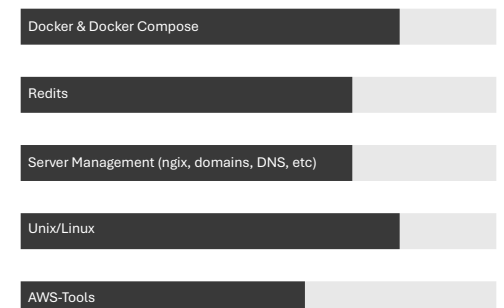
Frontend Development



Backend & API Development



DevOps & Tools



EDUCATION & PROFESSIONAL EXPERIENCE

2016 – 2024 Electrical & Computer Engineering

Democritus University of Thrace

Enrolled at one of Greece's top universities and completed a Master's degree with a score of 7.6. For my thesis, 'Document Scanning using mobile phone', I built an app similar to CamScanner from scratch with React Native and native modules, implementing Java algorithms for image processing.

2018 – 2020 Web Development & Design

Freelance Full-Stack Developer

Started my career as a freelance developer, delivering full-stack web solutions for clients across Europe and the USA. Gained hands-on experience with WordPress, NodeJS, React, and even tackled projects involving Raspberry Pi, IoT, and networking.

2022 – 2023 Entrepreneurship

Co-founder at Bytesand

Co-founded Bytesand and steered key projects such as Cardinal Vision—a complex solution featuring mobile and fixed solutions, camera integration, AI-based vehicle recognition with NVIDIA Jetson, and offline data handling.

2023 – 2025 Contractor

Mid Full-Stack Software & Mobile Developer at Misfitlabs

Worked as a contractor at Misfitlabs, focusing on mobile development, full-stack product maintenance, and DevOps. This role leverages my expertise across diverse technologies to enhance product performance and scalability.

PROJECTS

Project 1

WeDoCareMedical Insurance Platform

- Built a full-stack web app with React.js, Node.js and Tailwind CSS
- Developed complex forms using Formik
- Integrated Stripe.js for secure payments and subscriptions
- Automated wallet pass generation with QR codes
- Managed email notifications with Resend
- Implemented multilingual support with i18next
- Deployed on AWS Elastic Beanstalk

Project 2

BlueKeys Memberships App

- Developed a React Native app for Android & iOS and published it to the marketplaces
- Created a passwordless authentication service using Node.js, MongoDB, Twilio OTP and JWT Tokens
- Built a notifications microservice: for iOS using APNs with device tokens, and for Android using Firebase Cloud Messaging (FCM)

Project 3

TinyPOS Inventory & Loyalty Management

- Built a desktop inventory management app tailored for a liquor store using Electron.js
- Implemented offline synchronization with CouchDB and PouchDB, ensuring reliable data management
- Integrated barcode scanning, creating a customized driver solution for quick and accurate product lookups
- Developed a customer loyalty program, generating unique loyalty cards with barcodes to track reward points
- Enabled automatic calculation of totals and reward points at checkout through barcode scanning
- Designed an intuitive user interface with React, Tailwind CSS, and React Context for streamlined operation

Project 4

QR Code Digital Menu

- Developed a responsive digital menu app using React.js and Tailwind CSS
- Created a backend with Node.js (Express) and MongoDB, enabling store owners to easily manage menu items
- Integrated Cloudinary API for seamless product image management
- Improved performance using Redis for efficient caching
- Provided customers instant menu access via QR codes, enhancing the in-store dining experience
- Enabled restaurants to offer tailored subscription packages with exclusive member deals.