

# Chrysostomos Koumides

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## Work Experience

### Lead Software Engineer

Sensor Dynamis Ltd. — TypeScript, React, Node, Kubernetes, Kafka

Jun 2024 - Present

Full-Time — Demo [↗](#)

- **Architected and implemented a real-time sensor analytics platform** for monitoring environmental risks and water insights, delivering Proof of Concept in 3 months and enabling exhibition showcases with live data visualizations.
- **Deployed Real-Time Messaging System** on Kubernetes for sensor management and ensure smooth data flow, and stress-tested to process over 150K messages/day, which can support around 100 sensors without downtime.
- **Developed a full-stack B2B web application**, integrating with the sensor analytics platform and featuring a dedicated demo, which attracted 1 new client and generated 3 qualified leads within the first month.

### Freelance Software Engineer

Self-Employed — React, Node, Laravel, WordPress

Aug 2023 - Present

Portfolio [↗](#)

- **Delivered 6 full-stack applications** (custom websites, e-commerce platforms, blogs) under Agile workflows, boosting key success rates by 25%, boosting client engagement by 35%, and earning 85% in follow-on client projects.
- **Implemented Agile practices** to deliver 100% of projects on schedule and achieve a client satisfaction score of 4.8/5.

### Intern Software Engineer

Soft Surge Ltd. — Laravel, Blade, HTML5, JavaScript, PostgreSQL

Jul 2023 - Aug 2023

Full-Time — Product [↗](#)

- Shipped the front page of a competitor-pricing SaaS in one week, enabling user demos and driving product traction.
- **Boosted Lead Generation:** Launched a secure demo-account system that streamlines lead capture for the sales team.

## Projects

### Sfhmmy

Website [↗](#)

- **Engineered the Core Platform for the Greece National ECE Conference**, serving as the central hub for around 2000 attendees and empowering the next generation of engineers with workshops, career booths, and international speakers.
- **Developed the main website** (Next.js, React) and a cross-platform mobile app (React Native, Expo), ensuring seamless backend integration for a unified user experience.

### Estate Searcher

Website [↗](#)

- **Developed the front-end for a Real Estate Platform managing approx. 50,000 listings**, focusing on engineering its search bar with 6 distinct user-selectable filters, real-time type-ahead suggestions, and dynamic property pages with ads.

### GymFuelX Fitness & Diet Application

Website [↗](#)

- **Spearheaded two agile student teams** (4 members each) through the GymFuelX app's full design lifecycle, from initial concept and UI/UX (Figma) to delivering a **full API specification** (Swagger) and its generated Node.js backend.

## Education

### Integrated Master's in Electrical and Computer Engineering

Sept 2019 – Dec 2024

Aristotle University of Thessaloniki

Thesis: Automatic Transformation and Synchronization of Textual and Graphical Domain-Specific Languages.

Minors: Software Engineering, Algorithms, Artificial Intelligence, Computer Architecture, Networks, Data Analysis

### IDAC - University Team Lead

Jun 2023 – Present

- **Led two university engineering teams**, averaging 6 members each, to deliver two innovative full-stack projects from initial concept through to completion using Agile methodologies.
- **One project was selected for a formal paper presentation** at a university seminar, showcasing its significant technical contributions and innovative solutions.

## Awards

### 1st Place in the Open Innovation Competition Urban Mobility

Certificate [↗](#)

- Developed a mock application of team TraffiX, a data-driven app that unifies green urban transport into one route and payment system, powered by analysis of 2M+ lines of traffic data, to help solve congestion and improve daily life for over a million residents.