

Full-Stack Developer | React, Node.js, TypeScript

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WEBSITES AND SOCIAL LINKS

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GitHub: <https://github.com/imarag>

Personal Website: <https://seismoexplorer.com>

SUMMARY

Full-stack developer with 3+ years of experience building web applications and data-driven systems. Background in data science, with hands-on experience developing end-to-end solutions using React, Node.js, and Python.

EXPERIENCE

SOFTWARE DEVELOPER / DATA SCIENTIST | Jun 2025 – Current

VODA.ai - Boston, United States (Remote)

- Built a data retrieval system integrating with NASA's CMR API to query and ingest satellite datasets.
- Set up CI/CD pipelines using GitHub Actions with automated linting (Ruff) and test execution.
- Implemented unit and integration tests across application and data pipelines, reducing deployment risk and improving production reliability.

BACKEND DEVELOPER / PYTHON DEVELOPER | Oct 2024 – Mar 2025

emendSys - Thessaloniki, Greece

- Designed and implemented RESTful APIs using FastAPI with asynchronous request handling.
- Developed and deployed event-driven serverless services on Azure Functions for asynchronous data processing.
- Architected type-safe backend pipelines using dataclasses, enums, and Pydantic to enforce strict data validation and maintainable code structure.
- Implemented centralized logging and error handling to improve debugging and system reliability.

DATA SCIENTIST | Jul 2022 – Jul 2024

Accenture - Thessaloniki, Greece

- Designed and implemented ETL pipelines for large-scale data processing workflows.
- Optimized SQL-based data transformations and automated recurring workflows to reduce manual overhead.
- Built analytical tools leveraging satellite datasets for environmental monitoring.
- Developed an internal web platform using React and Tailwind CSS for visualizing GeoTIFF and GeoJSON data on interactive Leaflet maps.

APPLIED GEOPHYSICIST / DATA SCIENTIST | Apr 2021 – Jun 2022

Institute Of Engineering Seismology & Earthquake Engineering - Thessaloniki, Greece

- Built Python scripts for parsing and processing seismic record files.
- Designed and developed a GUI application for interactive body wave arrival selection.
- Aggregated and structured multi-source station data to generate a comprehensive earthquake catalogue.

EDUCATION

Aristotle University of Thessaloniki | MSc

Environmental and Applied Geology | 2019 - 2022

Technical University of Crete | BSc - MSc

Mineral Resources Engineering | 2013 - 2018

SKILLS

Frontend

React, TypeScript, Tailwind CSS, Material UI, Leaflet

Backend

Node.js, Express, FastAPI, JWT

Databases

MongoDB (Mongoose), SQL

Tools & DevOps

Docker, GitHub Actions (CI/CD), Azure Functions

Other

Python, JavaScript, Bash, Git/GitHub

PROJECTS

Hazard-Watch | [GitHub](#) | [Live Demo](#)

- Full-stack web app for reporting and viewing hazards on an interactive map. Built with React (TypeScript) and Node.js/Express, including JWT authentication, infinite scrolling, and MongoDB (Mongoose) for data management.

A Journey Into Seismology | [GitHub](#) | [Live Demo](#)

- Educational platform with articles and interactive visualizations. Built using Astro and React, with a FastAPI backend serving seismic data.

GeoJSON Validator | [GitHub](#)

- Web tool for validating GeoJSON files and highlighting structural errors. Built with React frontend and FastAPI backend.

LANGUAGES

English



Spanish



French



ACHIEVEMENTS

Award of academic excellence, Limmat Stiftung

CERTIFICATIONS AND LICENSES

Full Stack Open (6 ECTS) University of Helsinki - Grade: 5/5

- Built full-stack applications using React, Redux, Node.js, and MongoDB.
- Developed REST APIs with Express and implemented authentication.
- Applied testing practices (Jest, Cypress) and CI/CD pipelines.
- Designed and deployed production-ready web applications.