



George Pamfilis

FULL STACK DEVELOPER

Profile

As a Senior Software Developer, I excel in creative problem-solving and innovative thinking, complemented by a swift adaptability to new programming languages and frameworks. Recognized for my effective communication and proactive nature, I am highly regarded by colleagues for my insightful contributions.

My notable accomplishment is the creation of "Rentalman", a comprehensive application for businesses renting vehicles and properties. This digital solution seamlessly integrates Stripe for subscriptions and features a robust dashboard with client-specific KPIs, enhancing business performance analysis.

Experience

Software Development

- **Uniper.energy - Software Developer** *March 2023 - September 2023*
 - Building an energy trading valuation tool that utilizes optimizers to compute the value added to the company after a trading period is complete.
 - Worked on a Nordpool/Epex auction submission tool for constructing optimal trading blocks to be submitted to those markets.
 - Technologies Used: Jupyter | Python | Dash | Flask | PostgreSQL | Express Mosel Optimization | Azure
- **eCommerce.de - Software Developer** *November 2022 - February 2023*
 - Built from scratch a scalable multi-worker/agent scraping platform with the intention of scraping product info and reviews from major e-commerce platforms.
 - The Architecture is event-driven with job queuing, and background tasks for retrieving, cleaning, and saving the data.
 - Technologies used: BeautifulSoup | Selenium | Python | Flask | FastAPI | Kubernetes | PostgreSQL | RestAPI | Swagger | Web-scraping | bugsnag
- **locoia.com - Backend Developer** *March 2022 - January 2023*
 - locoia is an all-automation tool that interacts with external APIs to allow users to automate business flows. My responsibilities were to add new client features, work on bugs, and provide support to the backend.
 - Technologies used: Python | Flask | Marshmallow | PostgreSQL | Docker | Sentry | GitLab CI | VueJS
- **currio.io - Full Stack Developer** *March 2021 - December 2022*
 - Built a subscription-based user-friendly courier helper app that allows the driver to save time while delivering packages eliminating the use of pen and paper and frequent stops. Saves at least an hour of work for the driver based on current estimates.
 - Technologies used: Python | Javascript | Flask | React-Native | MySQL | Selenium | Vonage API | Expo | Docker
- **epoptis - Full Stack Developer** *January 2020 - January 2022*
 - Built an IoT data-logging system from the ground up for the hospitality industry whose main purpose is to monitor and alert the owners of unwanted downtime and temperature fluctuations in their refrigerators. The architecture was event-driven to manage the influx of sensor data.
 - Technologies used: Python | Javascript | Flask | React-Native | MySQL | Selenium | Expo | RabbitMQ | PostgreSQL

Details

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NATIONALITY
Greek, American

DRIVING LICENSE
Category A and B

DATE / PLACE OF BIRTH
January 8th 1992
United States of America

Links

pamfilis.dev
[LinkedIn](#)
[github](#)
[StackOverflow](#)

Skills

Programing: Python, ES6+, TypeScript, CSS
Backend: Flask, FastAPI, NextJS
Frontend: React-Native, React, NextJS
Tooling: Docker, Kubernetes, GitlabCI, AWS, DigitalOcean
Libraries: pandas, numpy, plotly, dash
Other Skills: AutoCAD, Inventor, Comsol, CF modeling, Water/Waste Treatment Plant Design.

Languages

English - Native
Greek - Native

Hobbies

Musical Theatre, DIY, 3D PRINTING, Musical Instrument Playing, drone videography, and photography.

- **e-orders - Full Stack Developer** May 2013 - August 2016
 - Built a subscription-based ordering system from the ground up for small businesses in the hospitality industry. The goal was to lower subscription and peripheral costs by providing both a mobile and web application with the option to connect to thermal printers. The architecture was event-driven in order to manage the influx of order events and checkouts.
 - Technologies used: Python | Javascript | Flask | MySQL | React-Native | Selenium | Expo

Personal Projects

- **rentalman.app**
 - Built a booking management system (B2B and B2C) for vehicle and housing rentals.
 - Added stripe integration for my client subscriptions.
 - Created a customer-facing booking app to speed up customer acquisition for my clients.
 - Technologies used: NextJs, ReactJs, Flask, Postgres, Microservices, Gitlab CI/CD.
- **footballhub.io**
 - This is a soccer data dashboard that offers insights about soccer team performance and also allows the user to generate insights for common betting options. The application is split into microservices: backend, frontend, and scrapers.
 - Technologies used: Dash, selenium, Flask, Digital Ocean, Kubernetes, RabbitMQ, Gitlab CI/CD.
- **work.pamfili.co**
 - This is a project/task management app that I built for myself to manage payments, projects, tasks, notes, and team members. The goal was to replace tools such as Trello and monday.com. I succeeded
 - Technologies used: ReactJs, Flask, Postgres, Microservices, Gitlab CI/CD.

Scientific Apps

- **compy** - A python package designed to calculate the dispersion and dispersivity coefficients of particles traveling through porous media. Also, Arctic Vault Contributor.
 - Technologies used: Jupyter Notebook, COMSOL-Multiphysics, Python, Seaborn, pandas, numpy, plotly, dash
 - start-date: 2016, end-date: 2018.

Courses

Deep Learning Specialization (deeplearning.ai), Coursera

OCTOBER 2020 – DECEMBER 2020

Education

Diploma in Environmental Engineering Integrated Masters, Technical University of Crete, Chania

OCTOBER 2011 – OCTOBER 2018

- **Thesis Title:** Analysis of dispersion of particle transport in two dimensional porous media by the method of moments.