Ioannis Kyriazis
FULL STACK SOFTWARE ENGINEER

+1 774 534 0190   ikyriazis@wpi.edu   ioannis.ky   github.com/IKyriazis

Skills

Programming	JavaScript, Elixir, HTML, CSS, Python, Java, SQL, C, C++, C#, Arduino, Verilog, Racket, Ruby, Dart, Painless.
Technologies	git, Linux, Shell (Bash/Zsh), Angular, React, React Native, Docker, Kubernetes, Express, Node.js, Svelte, Astro, Airflow, Jenkins, Flutter, Firebase, MySQL, MongoDB, OrientDB, Elasticsearch, GraphQL.

Experience

VRSCO - www.vrsco.chat - check it out!   Worcester, MA
Founder, Software Engineer   January 2022 – Present
- Raised over $90K of seed capital and amassed international user base consisting of over 50 users.
- Devised processes to manufacture VRSCO tags out of aluminum for less than $0.25 each tag, produced more than 200 tags.
- Designed, developed, and published a mobile app for iOS and Android with features like QR code registration, multi-platform sign-in, email verification, and messaging for lost item recovery.
- Created a server backend with real-time chat using websockets, secure password management, email sending, and payment processing.
- Configured cloud infrastructure to host databases, frontend, and backend components, handles 2K unique visitors and 20K requests a month.
- Developed an ecommerce frontend in React with components for dynamic product display, a shopping cart, and secure payment processing.

Optum   Boston, MA
Software Engineer   June 2022 – May 2023
- Designed and deployed a 10+ step Airflow Directed Acyclic Graph (DAG) to orchestrate the data collection process from 3 diverse data stores.
- Developed a parsing solution to extract critical information from more than 5K repos.
- Refactored the ingestion process to implement delta processing, resulting in 90% decrease in run time.
- Optimized process through vertical and horizontal scaling to cut run time by 10x using Dask python library.
- Resolved 30+ issues with servers and databases while on call.

Technology Development Program Associate   June 2021 – June 2022
- Refactored web components of Hardware PADU page into local components to allow filtering and exportation of data.
- Added frontend capabilities to filter and export data of Hardware PADU page using Angular and NG Prime.
- Designed, implemented and published robust APIs using Swagger and Spring Boot to provide external teams with PLM BSI data.
- Implemented functionality to sort and filter data retrieved according to parameters set by user.
- Onboarded 3 external teams onto published APIs using Optum's API management system.
- Built and deployed docker containers of Spring Boot APIs to Kubernetes using Jenkins.
- Eliminated 3 out of 5 steps for testing APIs by writing python script that generates JWTs.

Projects

Artist Portfolio Page - www.canvaskicks.store - check it out!   Worcester, MA
Canvas Kicks   March – May 2021
- Built secure admin dashboard which includes custom CMS to support automatic post creation and message inbox from potential clients.
- Facilitated safe community interactions by allowing authenticated users to comment on any post.

Hospital Kiosk Application   Worcester, MA
Worcester Polytechnic Institute   March – May 2020
- Achieved best application in the first and second iterations of class competition to apply Agile development methodologies and design patterns in Java to create a pathfinding kiosk application, map builder, room scheduler, etc.
- Gathered software requirements by surveying, brainstorming, creating user stories, scenarios and storyboards.
- Implemented two-factor authentication, RFID card authentication, salt/hashed password storage, and an internal transportation request menu.

The Maria Amor Foundation: A Case Study on Holistic Healing   Cuenca, Ecuador
Worcester Polytechnic Institute   October – December 2019
- Facilitated weekly sponsor meetings and interviewed female victims of domestic abuse in Spanish.
- Managed and operated filming equipment to capture data from interviews and optimized interview transcription process for rapid analysis.
- Produced 5 videos that showcase the unique ecologically sustainable aspects of our sponsor.
- Followed Strunk's Elements of Style to edit final report for clarity, concision, and cohesiveness.

Education

Worcester Polytechnic Institute   Worcester, MA
B.S. Computer Science. Minors: Professional Writing, Electrical and Computer Engineering.   May 2021