


Zeradam Kifle, Fantaye

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EDUCATION

UNIVERSITY OF MESSINA

Bachelor of Computer Science

Major in Computer Science; Minors in Software Engineering

Cumulative GPA: 3.93/4.0;

Relevant Coursework: Software Engineering; Operating Systems; Data Structures; Algorithms; Artificial Intelligence; Databases

Sicily, Italy

July 2023

Nu-Camp Software Engineering Bootcamp

Full-Stack Software Engineering, Specializing with Firebase, AWS Cloud Computing

Relevant Coursework: Software Engineering; Operating Systems; Data Structures; Algorithms;

Remote, USA

Sep 2023 - May 2024

SKILLS

Languages: JavaScript, Python, Java, TypeScript, C/C++, R, SQL

Frameworks: React.js, TailwindCSS, Next.js, Swift, Django, Express.js, Flask, MongoDB, PostgreSQL.

Cloud Computing: AWS, Lambda Functions, Aurora RDS, Linux / CloudShell, SDK integration, Devops, Tensorflow

Runtime Env & Libraries: Node.js, JWT, OAuth, Nest.js, Socket.io, Jest, GraphQL, Mongoose, pandas, pytorch ...

WORK EXPERIENCE

Monk Software (Webmonks Srl).

Senior Front-End Software Engineer (Web App / Mobile App)

Rome, Italy

Jun 2021 – Jan 2023

- Developed 100's of Highly interactive E-Commerce and Blog, Menu sites for clothing shops, cafe's and restaurants all around Rome with a team of elite programmers. Implementing different Web Frameworks including **TailwindCSS**, **React.js**, **Django** and **Next.js** to create advanced **UI/UX development** that looks better than the everyday Figma templates.
- Led a team of 5 for about 10 big projects the company was involved on, We implemented **AWS cloud computing** for **hosting** our sites and **DNS** using **Amazon S3** and **Route 53** to make our sites resilient, easily reachable and scalable.

Fiverr.

Full-Stack Software Engineer

Remote, USA

Feb 2022 – Feb 2024

- Developed multiple e-commerce platforms with integrated payment gateways and user authentication using advanced Express.js as a Back-end framework, Designing and implementing complex database schemas using MongoDB.
- Designed and developed robust back-end services using **Node.js** and **Express.js** to handle banking transactions, account management, and financial data processing.
- Built RESTful APIs with Express.js to support dynamic payment systems and security using libraries like OAuth & passport.js.
- Collaborated with multiple cross-functional teams, including product managers, business analysts, and QA engineers, to deliver high-quality software solutions. Ensured all software solutions comply with financial regulations and internal security policies.
- Managed and optimized multiple relational databases (e.g., **MySQL**, **PostgreSQL**) and **NoSQL** databases mostly using **MongoDB** to store and retrieve financial data securely and efficiently. I also implemented Amazon Aurora for my Relational Databases to provide a highly scalable and resilient database system.

Project Works & Apprenticships - University of Messina

- Worked with my Algorithms and Data Structures professor to create a recommender system for an e-commerce platform. Using the Surprise library to build collaborative filtering models and TensorFlow for neural network-based recommendations. Then I Developed a Flask API to serve the recommendations. Implemented cloud computing to host the application on AWS EC2 and use AWS RDS for managing the user and product data.
- Worked with my Software Engineering professor to develop a CNN model for image classification. Start by preprocessing the data using OpenCV, then build and train the model using TensorFlow and Keras. Deploy the model using Flask or Django to create a web interface where users can upload images for classification.
- Developed a space shooter arcade game utilizing Java object-oriented programming principles and advanced GUI implementation to create an engaging and interactive gaming experience.

Personal Projects

Adam AI

- Adam AI leverages AWS cloud computing and machine learning to offer predictive analytics, personalized treatment recommendations, and real-time patient monitoring, all while ensuring HIPAA-compliant secure data storage.
- By integrating with Alexa, Adam AI enables users to interact with the platform through voice commands, allowing for seamless patient data input and retrieval, thereby enhancing accessibility and ease of use for both patients and healthcare providers.