SAEED JAMALI

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GitHub: https://github.com/SaeedJamaly   Montreal/Sherbrooke, QC

Objective

With over 5 years of experience in programming and software design, and the leading developer of an evolving software MVP, and two master's degrees in Machine Learning and Computer Science, and nearly 12 years of experience across diverse industries, I possess a visionary approach to solving engineering problems. With the capability of dedicating long hours to both professional responsibilities and self-investment, consistently exceeding 80 hours per week to work hard and learn new skills, I find myself looking for a challenging position that leverages this capability and provides opportunities for my improvement and growth.

Skills

- **Programming:** Python, Java, JavaScript, TypeScript, Node.js, C, React, MUI, HTML, CSS, PHP
- **Database:** MySQL, PostgresSQL, Prisma ORM, Python SQL Alchemy, Stored Procedures, Indexes, AWS RDS, MongoDB
- **Machine Learning:** Fine tuning LLMs, Tabular Models Preprocessing, Neural Networks, Active Learning, Super-resolution
- **Containerization:** Docker, AWS ECR repository, ECS, cluster design, scaling, Task Definition
- **Version Control and CI/CD:** Git, GitHub Actions, GitLab, YAML (.yml), code quality
- **Containerization:** Docker, AWS ECR, AWS ECS, Auto-scaling, Cluster definition
- **Monitoring and Logging:** AWS CloudWatch, Security Management, Postman, Swagger

Work Experiences

Lead Developer, SupplyBoard, Sherbrooke/Montreal, QC (April 2024 – Present)

Developed a full stack software for the supplier management platform enhancing the procurement process of industrial manufacturers (NAICS 31-33) such as machine shops. Technical details include:

- Developed a robust and scalable backend in Node.js, MySQL with Prisma ORM, stored procedures and indexes
- Designed and developed a SEO optimized frontend with React TypeScript
- Developed processing microservice for CAD file manipulation by utilizing Python Swagger, SQLAlchemy ORM, FastAPI, CORS, and CAD file libraries like Trimesh and ezdxf
- Building a Git based CI/CD workflow and pipelining to automate build and deployment process
- Containerizing and running all modules on various AWS services
- Building a model for CAD files IQS with Neural Network, Active Learning, and fine-tuning LightGBM and LLaMA 3.2 1B models

Developer, Circus Concepts, Sherbrooke, QC, Full-time, Hybrid (July 2023 – Present),

- Conducting code reviews, implementing Tests, and performing bug-fix using SonarQube
- Designing microservice development in Python for tabular data processing API
- Optimized the SEO and performance of the web app
- Participating in Backend Node.js development

Sample Project

codeandverse.info (December 2024)

A full-stack webapp as my portfolio and blog. Report available here on my LinkedIn projects.

- Developed a backend in Node.js TypeScript   GitHub Repo
- Developed multilingual, optimized and fast frontend in React Typescript with MUI   GitHub Repo
- Designed a scalable MySQL database with enhanced query performance
- Applied containerization using Docker to ensure smooth and robust performance regardless of the environment
- Deployed on AWS using ECR, ECS clusters, Fargate, RDS, and amazon load balancer services

Educations

Concordia University, Master of Applied Science in Computer Science   Montreal, QC, August 2023
EMU, Master of Science in Machine Learning   Cyprus, Dec 2017
IKIU, Bachelors of Science in Control (Electrical and Electronics Engineering)   Qazvin, Iran, 2014

References: Available upon request