Mohammad El Prince

Software Developer

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SUMMARY

Full Stack Software Engineer with experience in JavaScript and Python based programming. With a background in mechanical engineering and operations, I have a can-do attitude and bring strong skills in problem-solving, communication and collaboration. As a lifelong learner, I continuously work on growing my technical knowledge. I enjoy tackling challenges head-on and crafting creative solutions to real-world problems. My belief in the power of teamwork guides me in achieving exceptional results.

PROFESSIONAL EXPERIENCE

Amazon | Fulfillment Operation Lead/ Quality Assurance Specialist   May 21 - present

o Leading the daily management of department duties, including allocating labor, leading meetings and assigning job duties.
o Tracking and reporting ATS labor hours; maintenance of hours and schedules.
o Participating and drive safety initiatives; Coach associates to always work safely.
o Training level1 Leads and providing converge for other department leaders.
o Interacting with property managers as needed to address concerns with service levels being provided.
o Observing deliveries in the field to identify barriers to first-time delivery success; recommend solutions and improvements to Amazon's systems and processes.

University of Guelph | Graduate Teaching/Research Assistant   Jan 19 – Apr 21

o Lectured large groups of students (75 – 150 students at a time) with variety of instructional approaches and presentation methods including MS powerpoint, blackboard, online tools, etc.
o Evaluated students' performances on regular basis by designing assessment problems and grading their respective written reports, video reports, assignments, exams, and classroom activities.
o Provided coverage for Professors in lectures.
o Wrote progress reports and presented weekly updates of the progression of projects and outlined plans and suggestions for the upcoming work and improvements.
o Resolved students' problems of marking, attendance, and understanding, and motivated them through recognizing the challenges they face throughout the course.
o Designed experimental setup for fluid research and published a research paper in the field.

KFUPM | Graduate Teaching/Research Assistant   Sep 16 – Dec 18

o Conducted research on liquid loading in gas wells supported by faculty members and Saudi Aramco.
o Authored two scientific journal papers in the areas of fluid mechanics, heat transfer, and thermodynamics.
o Proctored Major and final exams of various courses within the department on regular basis.

PROJECTS

WriteWell – GitHub | Live

WriteWell is a full-stack app that enables bloggers to share, edit, and delete blogs.

o Built with Nextjs for the front end and styled with scss.
o Employed Nextjs routing ability to construct endpoints for API requests.
o Utilized MySQL as the database, which is deployed on AWS RDS.
o Used AWS S3 to save all images and linked it to the database.
o Being in-progress for responsive design.

Portfolio – GitHub | Live

A digital showcase of my professional journey, highlighting my skills and projects.

o Employed Nextjs with Tailwindcss to design the app as a single page.
o Incorporated interactive elements and animation using Framer motion.
o Maintained DRY coding following best practices in all the project files.

GPT-3 Intro – GitHub | Live

A landing page created to describe GPT-3 technology that provides a brief introduction about this modern AI technology.

o Built with ReactJS and CSS styling showcasing an appealing user experience.
o Utilized BEM (Block Element Modifier) technique to relate JSX elements to styling.
o Deployed JSON server as the backend server.

Budget Tracker CLI – GitHub | Demo

A command-line application designed to help you manage your finances and track your expenses easily.

o Employed python scripts and functions and maintained DRY coding.
o Utilized SQLAlchemy for database management.
o Implemented the rich library for a user-friendly CL interface.

SKILLS

Programming Languages
JavaScript – Python – MatLab

Front-end
HTML – CSS – React.js – Next.js – Sass

Back-end
Flask – FastAPI

Database
SQLite3 – PostgreSQL

Source Controls and Tools
Git – GitHub – VSCode – Linux WSL

EDUCATION

Full-Stack Web Development Bootcamp
Flatiron School
Feb 23 – Oct 23

MEng. Mechanical Engineering
University of Guelph
GPA: 91% (Course-based)
Jan 19 – Feb 21

MSc. Mechanical Engineering
King Fahd University of Petroleum & Minerals
GPA: 3.95/4.00 (Thesis-based)
Sep 16 – Dec 18

BSc. Mechanical Engineering
King Fahd University of Petroleum & Minerals
GPA: 3.92/4.00
Jan 12 – May 16

CERTIFICATIONS

AWS Cloud Practitioner (in progress)

LANGUAGES

Arabic (Native)
English (Professional)

INTERESTS

Chess – Tennis – Table Tennis – Soccer