

## 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 2021 – present

- Leading the daily management of department duties, including allocating labor, leading meetings and assigning job duties.
- Tracking and reporting ATS labor hours; maintenance of hours and schedules.
- Participating and drive safety initiatives; Coach associates to always work safely.
- Training level1 Leads and providing converge for other department leaders.
- Interacting with property managers as needed to address concerns with service levels being provided.
- 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 2019 – Apr 2021

- 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.
- Evaluated students' performances on regular basis by designing assessment problems and grading their respective written reports, video reports, assignments, exams, and classroom activities.
- Provided coverage for Professors in lectures.
- Wrote progress reports and presented weekly updates of the progression of projects and outlined plans and suggestions for the upcoming work and improvements.
- Resolved students' problems of marking, attendance, and understanding, and motivated them through recognizing the challenges they face throughout the course.
- Designed experimental setup for fluid research and published a research paper in the field.

**KFUPM** | Graduate Teaching/Research Assistant Sep 2016 – Dec 2018

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

## PROJECTS

**WriteWell** – [GitHub](#) | [Live](#)

- A full-stack app that enables bloggers to share, edit, and delete blogs.
- Built with Next.js for the front end and styled with scss.
  - Employed Next.js routing ability to construct endpoints for API requests.
  - Utilized MySQL as the database, which is deployed on AWS RDS.
  - Used AWS S3 to save all images and linked it to the database.
  - Being in-progress for responsive design.

**Portfolio** – [GitHub](#) | [Live](#)

- A digital showcase of my professional journey, highlighting my skills and projects.
- Employed Next.js with Tailwindcss to design the app as a single page.
  - Incorporated interactive elements and animation using Framer motion.
  - 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.
- Built with ReactJS and CSS styling showcasing an appealing user experience.
  - Utilized BEM (Block Element Modifier) technique to relate JSX elements to styling.
  - 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.
- Employed python scripts and functions and maintained DRY coding.
  - Utilized SQLAlchemy for database management.
  - Implemented the rich library for a user-friendly CL interface.

# Mohammad El Prince

Software Engineer

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## SKILLS

### Programming Languages

JavaScript – Python – MatLab

### Front-end

HTML – CSS – React.js – Next.js – Sass

### Back-end

Flask – FastAPI

### Database

SQLite3 – MySQL – 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

## LANGUAGES

Arabic (Native)  
English (Professional)

## INTERESTS

Chess – Tennis – Table Tennis – Soccer