

# Mohammad El Prince

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

## SOFTWARE DEVELOPMENT ENGINEER

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. I have a clear vision for leveraging technology to solve complex challenges and create meaningful impact. As a lifelong learner, I am committed to growing my technical knowledge and leadership skills. I enjoy tackling challenges head-on and crafting creative solutions to real-world problems. My belief in the power of teamwork through the Agile methodology guides me in achieving exceptional results.

## TECHNICAL SKILLS

HTML, CSS, JavaScript, Python, React.js, Next.js, FastAPI, Scss, SQL, VSCode, Git

## TECHNICAL PROJECTS

### WriteWell - [GitHub](#) | [Demo](#) | [Live](#)

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

- Built with Next.js end-to-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.
- Deployed images to AWS S3 and linked them to the database.

### Portfolio - [GitHub](#) | [Demo](#) | [Live](#)

*A high-quality digital showcase of my professional journey, highlighting my skills and projects.*

- Employed HTML, CSS, and JavaScript showcasing my abilities to learn and in front-end web development and design.
- Incorporated interactive elements and animation using JS and CSS.
- Maintained DRY coding following best practices in all the project files.

### GPT-3 Intro - [GitHub](#) | [Demo](#) | [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.
- Incorporated BEM (Block Element Modifier) technique to relate JSX elements to styling and for consistency.
- 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.*

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

## EDUCATION

<b>Flatiron School</b>	02/2023 - 10/2023
Full Stack Web Development, Python and JavaScript online program	
<b>University of Guelph</b> , Guelph, ON	01/2019 – 02/2021
Master of Engineering — Mechanical Engineering (course-based)	
<b>King Fahd University of Petroleum and Minerals</b> , Dhahran, KSA	
Master of Science — Mechanical Engineering (Thesis-based) - Computational Fluid Dynamics	09/2016 – 12/2018
Bachelor of Science — Mechanical Engineering (course-based)	01/2012 – 05/2016

## RECENT PROFESSIONAL EXPERIENCE

<b>Amazon</b> , Mississauga, ON	05/2021 - Present
Lead Fulfillment Associate/Field Quality Assurance	
<ul style="list-style-type: none"><li>• Manage 50+ Associates across Amazon Robotics (AR) floor and inventory workstations.</li><li>• Monitor the health of four Amazon Robotics floors for optimal productivity and safe operation.</li><li>• Guide Associate for an optimized performance resulting in 10% improvement in the AR floor health.</li><li>• Train Level1 Leads and provide coverage for other managers of operation.</li><li>• Identify barriers to first-time delivery success; recommend improvements to Amazon's systems and processes.</li><li>• Interact with property managers regarding deliveries and address concerns with service levels being provided.</li></ul>	

**University of Guelph**, Guelph, ON

01/2019 - 05/2021

Research/Teaching Assistant

- Lectured large groups of students (75 – 150 students) on fundamental engineering courses and proctored exams.
- Conducted experimental and theoretical research in the area of safety of nuclear power plants.
- Provided coverage for professors in lectures.
- Designed assessments and graded students' reports, video reports, assignments, exams, and classroom activities.

**King Fahd University of Petroleum and Minerals**, Dhahran, Saudi Arabia

09/2016 - 12/2018

Teaching/Research Assistant

- Authored two scientific journal papers developing novel studies that improved studies of other authors.
- Developed a computational study that improved the prediction of the gas well lifetime partnering with Saudi Aramco.
- Provided coverage for professors in lectures.
- Graded students' reports, assignments, exams, and classroom activities.
- Lectured fundamental mechanical engineering labs and courses over the course of 5 semesters.