Bardia Dehbasti

Software Engineer, Full-Stack Developer, MERN Stack, and Python

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PROFILE

A University of Toronto Mechanical Engineering graduate with initial experience in aerospace manufacturing, I swiftly recognized my profound passion for software engineering, pivoting into a role as a full stack developer within the same organization. Having successfully transitioned disciplines and taken ownership of a key coding project, I now aspire to contribute to a collaborative agile team, seeking to employ cutting-edge technologies for client-centric solutions. My natural curiosity and penchant for continuous learning, combined with a knack for problem-solving, positions me uniquely to tackle complex challenges and deliver exceptional results.

SKILLS

React.JS, Express.JS, Node.JS, API Development, HTML, CSS, SASS, Python, Git, Github, JavaScript, MongoDB, MySQL, Django, Figma, UI/UX Design, Web Design, Jira, Agile

EXPERIENCE

Full Stack Software Engineer | Safran Landing Systems

JAN 2023 - Present, AJAX, ON

- Spearheaded the design, development, and management of the 'Rework Engine Project', leveraging advanced machine learning algorithms via Python, sklearn, and PyTorch. This innovation automated critical rework tasks for manufacturing engineers, achieving a remarkable efficiency boost by condensing a 2-hour process into just 8 minutes—a 15x improvement.
- Successfully transitioned the Rework Engine from a standalone Python script into an integrated web application, ensuring universal access across the company intranet. This strategic move enhanced backend deployment speeds by 15%. The front end was meticulously crafted using HTML, SASS, and React.JS, while Flask was employed for robust backend integration.
- Developed and launched an interactive web app for manufacturing engineers on the local intranet. It acts as a central bookmark library, optimizing daily tasks. Built with React.js on the frontend, Node.js and Express.js backend, and MySQL for data storage.

Full Stack Developer | Rumours Creative Inc.

JAN 2023 - JUNE 2023, TORONTO, ON

- Single-handedly conceptualized, designed, developed, and maintained the company's website, liaising directly with the CEO. Utilized a comprehensive tech stack that incorporated Figma, React.js, Node.JS, Express.JS, and MongoDB. This initiative was instrumental in attracting 4 new clients within a mere five-month period.
- Demonstrated a strong commitment to accessibility by meticulously implementing every guideline outlined by WCAG and AODA, guaranteeing an unparalleled and inclusive user experience.

Aerospace Manufacturing Engineer | Safran Landing Systems

JAN 2021 - DEC 2022, AJAX, ON

- Leveraged Python Data analytics libraries for statistical quality control, boosting production efficiency by 23%.
- Tackled and resolved 68% of manufacturing challenges, enhancing overall product quality.
- Innovated with 3D-printing to design protective devices, slashing part damage on the floor by 87%.

EDUCATION

BrainStation | Diploma, Software Engineering

JAN 2023 - OCT 2023, TORONTO, ON

University of Toronto | Bachelors of Applied Science, Engineering

SEP 2017 - JUN 2012, TORONTO, ON

- Mechanical Engineering, with Mechatronics Stream