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Isaac Urman

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As a Data-Driven Software Engineer, I am passionate about integrating data science and AI into software development to enhance functionality and user experience. With a solid foundation in full-stack development, systems administration, and DevOps, I aim to build efficient, scalable applications while continuously exploring the potential of data-driven technologies.

Education

Bachelor of Science, Computer Science, *Data Science Minor*, Wentworth Institute of Technology, Boston   **2021 – 2024**

Work Experience

IT Co-op System Administrator   **MIT Lincoln Laboratory**   **Jan 2024 – April 2024**
IT Team   Lexington, MA
- Maintained, containerized, and updated a Real-Time Work Schedule Web Application using Node.js and MySQL, improving real-time employee tracking and query efficiency across two MIT Lincoln Laboratory locations.
- Developed a CI/CD pipeline using GitLab Runner to streamline testing, code reviews, and updates, resulting in a 50% increase in deployment speed and efficiency.
- Enhanced application performance by approximately 20% by transitioning from a single MySQL connection to a connection pool in a Node.js environment, optimizing handling of low concurrency tasks.
- Collaborated with cross-functional teams to implement features and achieve development goals.

Backend Developer Co-op   **SuperLogics Inc.**   **Jun 2023 – Sep 2023**
Production Team   Natick, MA
- Led the redesign and phased deployment of internal SharePoint sites, incorporating PowerAutomate, Teams, and APIs, which increased QC speed and significantly reduced build errors and issues.
- Used HTML, PHP, Python, and JavaScript to enhance site functionality.
- Facilitated planning sessions and cross-departmental meetings to optimize user experiences for production and sales teams.

Computer Assembly Technician   **SuperLogics Inc.**   **Jun 2022 – Jun 2024**
(Levels I-III)
Production Team   Natick, MA
- Advanced through roles in computer assembly, from basic systems to specialized server assemblies, enhancing expertise in OS installation and configuration on Windows and Linux.
- Configured RAID systems and performed disk imaging to meet diverse customer needs, ensuring consistent quality.
- Led and managed teams of technicians to meet production deadlines efficiently, ensuring optimal resource utilization.

Projects

Journey - AI-Driven Career Planning Platform   **May 2024 – Aug 2024**
- Developed "Journey," a web platform leveraging LLMs for personalized career guidance. Integrated job board APIs, secured user authentication, and optimized backend performance using Python, Django, Docker, and CI/CD pipelines. Contributed to the scalable deployment and seamless user experience.
- Technologies used: React, Material-UI, Python, Django, Firebase, Docker, GitLab CI/CD

LAP: Lift and Progress - Health & Fitness Tracker   **Sep 2022 – Dec 2023**
- Developed an integrated health and fitness tracking app using Flutter and Firebase, aimed at improving user health through daily tracking and community interaction.
- Engineered a robust app with user-to-user communication, intake and exercise logging, all embedded in a user-friendly calendar interface to monitor progress over time.
- Technologies used: Flutter, Firebase, Dart

Technical Skills

- **Programming**: Java, Python, C, C++, Dart, Prolog, F#
- **Web Development**: HTML, CSS, JavaScript, PHP, Material UI, React.js, Vue.js, Node.js, Gatsby.js
- **Database**: MySQL, PostgreSQL, Firebase, Firestore, Netsuite
- **Additional Skills**: Git, GitLab, Linux, Docker, Kubernetes, ProxMox, Containerization