James Morales

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 https://github.com/jamesmoraless   in https://www.linkedin.com/in/james-morales-470a161b2/   ⊕ https://jamesmoraless.github.io/

EDUCATION

Ivey Business School, Western University, London, ON   2022 - Present
Bachelor of Arts, Honours Business Administration (HBA) **GPA: 3.7**
- Extracurricular: Junior VP of Ivey Analytics Club, Ivey Consulting Club, Ivey Tech Club

Western University, London, ON   2020 - Present
Bachelor of Engineering, Software Engineering **GPA: 3.9**
- Relevant Courses: Networking, Cloud Computing, Web Development, Databases, Project Management, Scripting Languages
- Extracurricular: Western Engineering Competition Director, Western AI Programmer, Intramural Soccer, Intramural Flag Footall

SKILLS

Programming Languages & Scripting: JavaScript, Typescript, HTML/CSS, Python, Java, Golang, C#, SQL, R
Technologies/Frameworks: GCP, AWS EC2, DynamoDB, Node.js, React, MongoDB, PostgreSQL, MySQL, Docker, Jenkins, Airflow

EXPERIENCE

Flowmatic, Toronto, ON   November 2024 – Present
Software Engineer - https://www.withflowmatic.com/
- Deployed an ETL pipeline utilizing Airflow, PostgreSQL, and AWS EC2 to efficiently process and manage over 10,000 customer data points; enhancing data accuracy and accessibility
- Synchronized backend and frontend systems by integrating FastAPI schemas with automated TypeScript type generation, boosting API development speed by 30%

Zynga Inc. – Analytics, Toronto, ON   May 2024 – September 2024
Software Engineering Intern
- Developed and deployed a new feature using React, Python, Airflow and Redshift enabling game team analysts to perform experimental segmentation and visualize target metric results for product managers; successfully used for Harry Potter and Words With Friends 2
- Updated the architecture of an internal data service tool, resulting in a $250k annual cost reduction and improved system efficiency
- Deployed containerized Jenkins pipelines for automated creation of Terraform resources, data synchronization, and database health checks, hosted on Kubernetes clusters

Repwave, Remote   November 2023 – March 2024
Software Developer
- Worked alongside a Salesforce Senior SWE on full-stack development, integrating a Flask/Python backend and leading the React front-end development. Optimized API for processing monthly conversational data
- Collaboratively designed UI elements and workflows in Figma for a B2B SaaS product, focusing on user experience and functionality

Ontario Health – Digital Services, Toronto, ON   May 2023 – September 2023
Business Systems Analyst Intern
- Led Scrum meetings, managed work items and ensured timely execution of tasks; increasing sprint velocity by 18% over 8 sprints
- Created a dynamic dashboard on Azure DevOps to monitor task completion and team productivity with the use of Burndown, Gantt Charts, and graphs, providing transparent progress reports to clients, improving client satisfaction

PROJECTS

Capstone: London Transit Delay Web App| YouTube Walkthrough   Fall 2024 - Present
- Developed a modular data ingestion and transformation system using Node.js, Express, and MongoDB, containerized with Docker
- Collaborated with Dr. Tang and PhD students to implement research-driven metrics for analyzing traffic delays on a centralized platform
- Built an analytics dashboard in Grafana, visualizing weather trends and transit delays by integrating the MongoDB data pipeline

Cheer Web App | Release 2 Demo   Winter 2024
- Deployed on GCP a comprehensive web app using the MERN stack, implementing a role-based access control system, real-time communication with Socket.io, staff scheduling, payroll system and Eleven Labs for text-to-speech functionality ensuring accessibility
- Collaborated with Family Connections Cheer over 6 months, utilizing scrum and Jira throughout the SDLC, adopting agile principles

Superhero Community Platform Web App | GitHub   Fall 2023
- Developed "HeroHub," a full-stack web application using the PERN stack (PostgreSQL, Express.js, React, Node.js), enabling users to explore, manage, and review a comprehensive superhero database
- Deployed on AWS EC2 and managed server configs, security groups, and storage optimization for efficient cloud-based operations

URL Shortener Web App | GitHub   Spring 2023
- Developed a full-stack URL-shortening service with mentorship from a Senior Software Engineer at Shopify
- Engineered a RESTful API using Node.js and Express for data storage in a PostgreSQL database with a JavaScript and React frontend
- Implemented a secure user registration and authentication system utilizing Bcrypt for password hashing and JSON Web Tokens (JWT)

INTERESTS

Languages: English, French and Spanish
Interests: Golf, Football, Coaching high school soccer, fantasy football, Marvel comics, Star Wars, AI and ML, gym