

Michael Herman

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TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS, TypeScript

Libraries/Frameworks: Django, Flask, SQLAlchemy, Node.js (Express), React, jQuery, Jasmine

Development Tools: Git, Github, Visual Studio Code, Linux Command Line

Cloud Services: AWS (S3, EC2), Digital Ocean Droplets

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern

Jun 2023 – Jul 2023

Rithm School

San Francisco, CA

- Rapidly adapted to a new framework, overcoming initial challenges with Django's structure and features to implement user profile extensions, course progress tracking, and database improvements within a large-scale (40K LOC) learning management system.
- Championed code quality and maintainability by adhering to existing patterns, ensuring easy code reviews and seamless integration into the codebase.
- Modernized the learning management system by migrating legacy code and designing SQL database models, enabling the creation and completion of surveys for improved user experience and actionable instructor feedback.
- Enhanced code reliability and reduced debugging time by implementing model factories and establishing a robust testing strategy, achieving an exceptional 98% automated test coverage.
- Facilitated seamless collaboration using GitHub for ongoing tasks, authoring detailed pull requests within an Agile environment of weekly sprints and daily standups.

TECHNICAL PROJECTS

Newbee-Careers – Helping Junior Devs find their first job

[Live Demo](#) | [FE Github](#) | [BE Github](#)

Next.js, SQL, PostgreSQL, Python, OpenAI, Prompt Engineering

- Built NewBee, a platform aiding junior developer job searches with a 40% increase in search efficiency by automatically filtering and analyzing job descriptions with OpenAI.
- Developed adaptive Python scrapers that mimicked natural user behavior, overcoming dynamic content challenges and handling errors across diverse ATS websites, increasing data extraction by 30%.
- Designed an efficient PostgreSQL database with indexing and JSONB optimizations, reducing database queries by 80% for improved scalability and performance.
- Streamlined database interactions by implementing bulk insert functions, significantly reducing resource usage and operational costs.
- Demonstrated adaptability by swiftly learning database deployment on Linux, managing user permissions, and integrating a dynamic frontend, showcasing flexibility with new environments.

ADDITIONAL WORK EXPERIENCE

Warehouse and Facilities Manager – *Rise Co-Packing*

Oakland, CA – August 2022 - July 2023

- Demonstrated analytical thinking, self-driven learning, and proactive problem-solving by repairing complex machinery, improving equipment uptime by 20% and saving the company an estimated \$3,000.
- Increased production efficiency by 30% through process-driven problem-solving, resulting in improved customer outcomes.
- Established a centralized knowledge base with technical partners, reducing recurring issues by 40% and enhancing collaboration.

Manager – *Trader Joe's*

San Francisco, CA – Mar 2008 - August 2022

- Led teams of up to 100+ employees, fostering collaboration and exceeding productivity goals in fast-paced environments, increasing sales by 5% year over year (YoY) and decreasing shrink by 10% YoY.
- Optimized operations across departments, decreasing opening/closing times by 20%.

EDUCATION

Rithm School (2023) - Full Stack Web Development Bootcamp, Rithm Diversity Scholarship

City College of San Francisco (2021) - A.S. Business Administration and Management, Magna Cum Laude, Certificate of Achievement