MICHAEL SHIH

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Languages: JavaScript, TypeScript, Ruby, Java, Solidity, SQL, HTML, CSS
Skills: AWS, GCP, React, SQL & NOSQL DB, Rails, Express.js, CI/CD, Docker, Kubernetes, Playwright

EDUCATION

App Academy, Software Engineering Coding Bootcamp, NYC, NY   Jan 2023 – May 2023
Intensive 16-week program simulating four years of programming experience
St. John's University, College of Liberal Arts and Sciences, Jamaica, NY   Sept 2015 – May 2019
B.A. in Philosophy, B.S. in Biology, minor in Chemistry

PROFESSIONAL EXPERIENCE

QA Wolf, New York, NY
SOFTWARE QUALITY ASSURANCE ENGINEER   September 2023 – present
- Collaborated with a team to onboard and support client QA needs; oversaw **test creation, maintenance, and bug identification** which contributed to securing contracts worth **$100k+ ARR across 25+ clients**
- Actively engaged in daily engineering standups, applying **agile/scrum** methodologies over weekly sprints; achieved **80% application test coverage in 4 months**
- Managed plugins and VM environments to replicate and debug diverse client tech stacks; frequently consulted **React and Angular** documentation to **craft robust, reusable tests**
- **Specialized in using Playwright** for automated testing; leveraged expertise in Javascript and web development fundamentals (HTML, CSS) to develop and execute **comprehensive test suites**. This ensured high fidelity of UI elements to design specs, significantly enhancing user experience and interface reliability.

Movie Rights Exchange, New York, NY
SOFTWARE ENGINEER, contract   July 2023 – present
- Orchestrated **AWS S3 pipeline** integrating Dropbox assets via **Lambda** functions for concurrent movie file processing and efficient **IAM role management**
- Collaborated with CTO and cross-functional teams to **monitor load**, ensuring high uptime and achieving **90% cost savings** in production
- Showcased **agile/scrum** adherence, promoting teamwork, and maintaining code quality through thorough reviews

CityMD Urgent Care, New York, NY
CLINICAL SHIFT SUPERVISOR   April 2020 – October 2022
- Directed and led clinical teams of **12 or more employees** and oversaw **100+ patients** during peak pandemic time to reach beyond 80% patient satisfaction goals, into **93% patient satisfaction**
- Maintained **consistent on-call status** to allow teammates on-site to reach me for logistical and technical troubleshooting, **avoiding clinic workflow bottlenecks** and guidance with alternative workflows

PROJECTS

What-AI-Want   live | github
An intuitive website for custom avatar generator through OpenAI stable diffusion technology
- Oversaw **GitHub workflows** for team and hosted **daily standups** to address debugs and merge conflicts
- Performed **code reviews**, allowing end-to-end functionality **within 8 hours of initial development**

D15C0RD   live | github
A full stack clone of the popular chat-app, Discord
- Incorporated **React** with **Ruby On Rails** and ActionCable to facilitate live real-time chat rooms and image posts with **AWS S3** storage

Ravine-JS   live | github
A pure JavaScript game where you control a player on an island with enemies and try to survive as long as you can!
- Developed a pure JavaScript app and canvas game **engine** using **object-oriented programming** to define distinct enemy types (e.g., powerful skeleton, weaker slime) with **accessible APIs** for interaction by the player