

AUTUMN GREEN

Somerville MA, 02143 | danimal@modestprogress.com | <https://github.com/chao-mu>

PROFESSIONAL EXPERIENCE

Modest Progress LLC

April 2022 – Current

Owner / Consultant

Technologies used: Python, Typescript, React, Node.js, Next.JS, Google Cloud Platform, Tailwind, HTML/CSS

- Automated vetting of ideas generated from LLMs using Google Ads API
- Updated a legacy codebase to support OAuth 2.0
- Built open source chess tools for the Chess Dojo
- Built a mobile-first web application to manage interactions during a community event
- Coached a senior developer to prepare for career transition into full stack development
- Tutored aspiring college students on software engineering practices

Akamai Technologies

January 2015 – April 2022

Senior Software Engineer II, Senior Software Engineer I, Software Engineer II

Technologies used: Go, Ruby on Rails, HTML/CSS, Docker, Ansible, SQL, Postgresql, MySQL

- Mentored junior staff members and interns
- Established new procedures to ensure smooth deployments, maintainability, and long term code quality
- Listened to user needs/feedback and designed features to improve UX for the team to implement
- Designed the front end and back end of security risk catalog, enabling reporting to executive management
- Maintained a document management system that indexed compliance evidence
- Built a compliance control tracking system, enabling passing PCI, SOC 2, ISO 27000, IRAP, and HIPAA
- Migrated 22 applications to new VMs, documenting and establishing new procedures for next time
- Dockerized 8 applications, including 3 legacy applications
- Replaced the manual process of configuring and deploying our servers, allowing for new applications to be created and deployed across three environments (QA, Staging, Production) within a single day
- Built a monitoring system that read our Ansible repository and tracked infrastructure drift
- Trained colleagues on DevOps and Agile Scrum best practices
- Performed regular code reviews, wrote automated tests, and documented changes.

Tenable Network Security

March 2012 – January 2015

Vulnerability Research Engineer / Plugin Developer

Technologies used: NASL, Python, Wireshark, OllyDbg, Linux, Relational Database Management Systems

- Tech lead of integration with endpoint management systems, streamlining onboarding of new endpoint managers, bringing us to a competitive level of support.
- Developed plugins that retrieved system inventory and patch levels from IBM Endpoint Manager, allowing Tenable to remain competitive.
- Implemented portions of the MySQL protocol, allowing for more types of plugins to be written.
- Reverse engineered KACE K1000, and found several vulnerabilities
- Integrated Tenable with KACE K1000.

Cambridge Interactive Development Corporation

August 2008 - March 2012

Full Stack Engineer

Technologies used: Perl, Java, HTML/CSS, Javascript, IBM Informix, Linux

- Designed, implemented, and maintained new features in Everest Poker's affiliate marketing platform.
- Received training and practiced the Agile Scrum development methodology
- Advised on security implications of new changes to the system
- Trained a legacy team's developers on the replacement for their code base

Cianaidan Systems Inc.**August 2007 - August 2008***Full Stack Engineer*

Technologies used: Scala, Lift, HTML/CSS, AWS S3, AWS EC2, AWS S3, Linux, MySQL

- Built a service to distribute computation and ease the setup and management of compute grids
- Administered the company server

Loomis Sayles Financial**Summers 2005 - 2007***Software Engineering Intern*

Technologies used: Java, Hibernate, Javascript, HTML/CSS,

- Worked on their internal software for managing financial investments, preparing it for sale to third parties
- Researched new technologies to investigate potential benefit of adoption
- Developed a proposal that outlined the areas of improvement for a large legacy codebase
- Patched obfuscated 3rd party javascript library fixing a long standing bug

CONTINUING EDUCATION

EDUCATION

Computer Science	Cape Cod Community College	2005-2007
Information Technology	Upper Cape Cod Regional Technical School	2001-2005