Ethan Cala

815-616-6198 – Chicago, IL – github.com/ethancala – https://www.ethancala.dev

Software & operations engineer skilled in automation, scripting, and telemetry tooling. Builds systems that improve observability, reliability, and reduce manual effort in enterprise environments.

TECHNICAL SKILLS

- **Programming Languages**: Python, JavaScript, TypeScript, Java, C, C++, C#, PowerShell, Bash
- **Frameworks & Tools:** React, FastAPI, Flask, ASP.NET, Tailwind, Selenium, Git, Azure DevOps, ServiceNow
- **Database**: SQL Server, SQLite, MongoDB, Firebase
- **Operating Systems**: Windows, Linux, Mac

RELATED EXPERIENCE

IT Operations Engineer Intern – Automation & Telemetry (ITOC Support)　　　　Chicago, IL
Sidley Austin LLP　　　　February 2024 – Present

- Designed and deployed Python + Selenium + SQL automation to interact with secured SSRS (SQL Server Reporting Services) portals, enabling EOD parsing and reporting
- Developed telemetry integration pipelines feeding Splunk and internal monitoring systems from legacy reporting platforms
- Automated routine infrastructure checks and validation tasks using Python, PowerShell, and Bash, reducing manual overhead for ITOC operations
- Imaged and deployed machines for **500+** users at an enterprise level
- Performed user data migrations and executed secure device wipes (DoD-compliant) across **250**+ assets.
- Monitored system incidents, collaborated on solutions, and contributed to IT support efforts
- Contributed to the new hire onboard process by providing seamless tech integration
- Gained hands-on experience at the intersection of IT operations, software engineering, and observability within a large enterprise environment

Web Applications Developer (Frontend)　　　　Chicago, IL
BCAMP　　　　June 2024 – August 2024

- Designed and implemented a responsive web interface using React, TypeScript, and Tailwind, deployed via Vercel
- Integrated WalletAPI services, enabling support for **400**+ wallet services through secure connection flows
- Consumed and rendered backend data from a Python FastAPI service, optimizing user experience and interface responsiveness
- Authored internal documentation to support component reusability, onboarding, and long-term maintenance
- Deployed production builds using Vercel's cloud-based CI/CD platform, ensuring fast iteration and reliable uptime

PROJECT EXPERIENCE

Syllabye – Web-Based Syllabus Management Platform

- Developed a full-stack application to streamline syllabus creation and access for professors and students
- Built the frontend using Vite + React and styled components with Tailwind and Bootstrap
- Integrated Firebase for real-time database storage and authentication
- Received interest and users from Lewis University faculty for potential adoption as a campus-wide academic tool

Mode Score – Full-Stack DeFi Dashboard

- Built and deployed a decentralized finance (DeFi) dashboard during a BCAMP engineering rotation
- Developed a responsive frontend using React, Next.js, and TypeScript, styled with Tailwind CSS
- Implemented backend services using Python and FastAPI to serve and aggregate data
- Focused on seamless user experience, efficient API integration, and secure component design

HONORS & CERTIFICATIONS

- Juno Mode Developer Apprenticeship Completion
- Hardware and Operating Systems IBM Certification
- Linux Scripting and Automation IBM Certification

EDUCATION

Lewis University (LU)　　　　Romeoville, IL
Bachelor of Science in Computer Science (3.8/4.00 GPA)　　　　May 2025