Liam Howell

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SKILLS

PROGRAMMING
Python & TypeScript (primary) • Go
Ruby *(recent commercial)* • Java • C#
SQL • UNIX/Linux • Vim

PLATFORMS/TOOLS
CI/CD • Docker • Kubernetes
Rails/Sidekiq • Honeycomb (observability)
Git • SFTP/ETL

PROJECTS

GLIDER Python trading platform (personal)
Data collection, backtesting, and UI-driven strategies (Docker, Postgres, Redis).

CIVENRO
github.com/liamitus/civenro
Legislative transparency / civic engagement.

EDUCATION

SELF TAUGHT
SELECTED CURRICULUM
Clean Code (Prentice Hall)
Effective Java (Addison Wesley)
Python Cookbook (O'Reilly)
Java Concurrency in Practice (Addison Wesley)

COURSERA
CRYPTOGRAPHY I
2014 | Online

HARVARD EXTENSION
COMPUTER SCIENCE (GRADUATE-LEVEL)
2011–2012 | Online
Data Structures
Communication Protocols
Java for Distributed Computing
Abstraction and Design

STETSON UNIVERSITY
GENERAL BUSINESS
2007–2010 | DeLand, FL

EXPERIENCE

GUIDELINE (SOFTWARE ENGINEER)
May 2023 – Aug 2025 | Remote
- Led the PenChecks integration to offload **millions in unclaimed 401(k) funds**: owned architecture from spike to rollout, mapped internal data to vendor specs, automated SFTP delivery, and instrumented Honeycomb alerts. Built a prod-like test harness and E2E suite; launched with **zero production defects**.
- **Won the company-wide engineering hackathon** as sole engineer—partnered with Design/PM to ship an interactive retirement-compounding simulator (adjustable 401(k)/Roth sliders) by extending existing UI components and standing up a lightweight backend in three days.
- Core member of **Money Movement**: primary backend and sole FE contributor; built internal Ops tools for loan servicing and financial workflows; improved invoicing and Sidekiq job reliability/throughput; added actionable monitoring and runbooks that reduced ad-hoc production issues.

SYMBIONT.IO (SOFTWARE ENGINEER)
Nov 2017 – Dec 2022 | New York, NY
- Developed smart contracts for private equity, mortgage servicing, and FX on a permissioned ledger.
- Added migration capability to the BFT consensus network layer of the Symbiont distributed ledger.
- Contributed to internal tooling and SDKs; published CircleCI orbs to streamline CI across teams.
- Operated across architecture, frontend, backend, infra, QA, and project management in a flat org.

SEEDINVEST (SOFTWARE ENGINEER)
Sept 2016 – Sept 2017 | New York, NY
- Led redevelopment of the capital-raise application flow.
- Built reusable AngularJS modules that reduced development time across the platform.
- Drove high satisfaction in founder/investor interactions through fast, reliable delivery.

MOBIQUITY (WEB DEVELOPER)
July 2014 – Aug 2016 | Gainesville, FL
- Built a voice-controlled recipe site backed by Alexa for hands-free guidance.
- Delivered sites for Fortune 500 clients including CVS and Pfizer.

FERAPOD (SOFTWARE ENGINEER & FOUNDER)
Feb 2009 – July 2014 | Gainesville, FL
- Designed encryption protocols leveraging AES and Diffie–Hellman for product features.
- Managed implementation, infrastructure, and subcontracted design.