

Lucas Oberwager

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Experience

Software Engineer | Qurrent *Jun 2023 - Present*

- Refactored and optimized the entire Python codebase, emphasizing maintainability.
- Enhanced code quality through best practices, type checking, and adherence to the single responsibility principle.
- Established code quality checks and led regular code reviews.
- Redesigned existing code and modified the database to support multiple "Agent" types.

Software Engineer | Tilia *Aug 2022 - Jul 2023*

- Led the design and development of the wallet ledger backend system in Golang, including using cursor pagination.
- As an on-call engineer, promptly responded to outages and initiated necessary server function improvements to enhance performance and reliability.
- Transitioned Golang micro-service metrics to Datadog, enriching tracking accuracy.
- Overhauled account blocking, enhancing overall system robustness and security.
- Implemented a range of audit logs, adding API routes for getting and filtering audit logs.

Software Engineer Intern | Tilia *Jun 2021 - Aug 2021*

- Developed Python scripts for SOC2 certification process, generating spreadsheets to monitor ticket releases, code reviews, smoke tests, and GitHub pull requests.
- Streamlined the internal Golang testing tool by transitioning to bullseye docker containers, reducing build times, and cutting down on unmaintainable code.
- Rewrote the Python 'shipr' internal tool, modernizing the tool to use Jira, and introducing validations and guard rail systems.

Co-Founder | Ecobux *Feb 2019 - Present*

- Led conservation project in Panama's Mamoni Valley, employing GIS software and drone imagery to map 3 hectares of threatened rainforest.
- Developed a system for donors to conserve specific land blocks through the cryptocurrency smart contracts, enhancing user engagement.
- Wrote and maintained the backend code for the smart contract and land parceling, using Solidity and Jest, with 94% test coverage.
- Over \$3500 raised for rainforest conservation.

Skills

- System Architecture
- Languages: Golang, Python, C, Solidity, JavaScript
- Microservices, Code Refactoring, Code Review
- Artificial Intelligence (AI)

Honors & Awards

- DiamondHacks '21 Winner | Mar 2021