

Corban Villa

Software Engineer

Computer Science and Political Science Undergraduate, New York University Abu Dhabi



Work Experience

Blockchain Developer - Owl Protocol (12/2021-Present):

Lead interns through Web3 development process, building open-source decentralized applications on Ethereum and EVM-compatible chains with Solidity. Integrate comprehensive testing leveraging both TypeScript in Hardhat and Solidity in Foundry to mitigate bugs and produce a consistent user experience. Maintain up-to-date with latest security vulnerabilities and continually conduct internal reviews on contracts.

Abstract away complex on-chain logic and mechanics such as genetic breeding, crafting and randomization through modularity and standardization in smart contract components.

Software Engineer - Zahlen Solutions (07/2019-10/2021):

Working under a local company for Hewlett Packard Enterprise, worked directly with HPE project managers and software engineers leveraging Python to design, build and implement applications and APIs that process, aggregate and analyze customer data for HPE sales teams.

Communicate directly with supervisors and collaborating teams to coordinate development progress, identify business goals and break projects into individual components. Discuss issues and iterate versions to solve issues and improve end-user experience with applications in a timely manner.

Understand and implement industry-standard design patterns including asynchronous processing, authentication and authorization compliant with OAuth specifications, and deployments using containers and orchestration tools.

Leverage a broad understanding of networking, operating systems and programming languages to quickly and effectively troubleshoot critical issues.

Tasked with reverse-engineering black-box and legacy applications to fix problems, remove bottlenecks and optimize application performance saving on operating costs and improving overall efficiency.

Learning new frameworks, technologies, and languages to rapidly prototype new applications while upholding best practices and specifications to ensure reliability, security, and extensibility for other developers. Consistently builds applications and configures systems with a security-first approach.

Implemented log aggregation tools and filtering systems to alert administrators on application errors, security threats, and system usage issues.

Container Security Village - Saintcon (10/2019):

Built curriculum and lab environment to educate industry professionals on how to better secure and audit production applications deployed on container infrastructure such as Docker. Mentored attendees and taught low-level concepts to not only explain how to exploit but why the security exploits work.

Contact



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Expertise

Linux



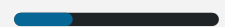
Solidity



Docker



K8s



Python



TypeScript



git.io/animcogn



hub.docker.com/u/animcogn