

# Aye Chan San Tun

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[github.com/ayechanst](https://github.com/ayechanst)

## Technologies

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**Main Languages:** Rust, Typescript, Smalltalk, Python, GraphQL, HTML/CSS, Fluent French

**Primary Technologies:** React, Next.js, Foundry, Substreams, Glamorous Toolkit

**Areas of Expertise:** Developer Relations, Fullstack Development, Blockchain, Data Indexing, Security Research

## Education

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**Developer Relations Certificate, DevRelUni** – Competitive Online Program **Nov 2024 – Dec 2024**

- Built 30-60-90 day plans for Web3 companies.
- Wrote X threads describing Web3 company missions.
- Created a mock hackathon for a Web3 company.

**Philosophy, University of West Florida** – Pensacola, FL **2018 – 2022**

- Technical Writing, Communication Dynamics, General Psychology, Critical Thinking, English Comp II, Creative Writing, Modern Philosophy, Philosophy of Mind, Ethics in Contemporary Society.
- Vice President of Buddhist Club, Sigma Alpha Mu event coordinator

## Work Experience

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**Developer Advocate, Buidl Guidl** – Los Gatos, CA **March 2023 - Present**

- Updated programming challenges with "Guiding Questions" to lead users to the solution.
- Created a website explaining Web3 concepts as they came up in SpeedRunEth challenges.
- Recorded videos guiding users through the Scaffold-Eth tech stack of NextJS, Daisy-UI, and Hardhat.
- Developed several full stack applications adhering to good practices to demonstrate Buidl Guidl tools.

**Fullstack Developer, The Graph** – San Francisco, CA **June 2023 - October 2024**

- Built educational content for multiple parts of the tech stack and built non-trivial examples for the community.
- Improved parallelized data indexing performance by 73%. This was done by removing blocking RPC requests, by emulating RPC calls to a stateful virtual machine using pure functions and CRDTs. This allowed full parallelism of the system, and greatly improved indexing speeds by days.
- Built multiple applications utilizing the indexed data through SQL/GraphQL.
- Integrated graph client (a developer toolkit) into Scaffold-Eth (a fullstack framework).

**Fullstack Developer, Spyglass Labs** – Santa Cruz, CA **April 2023 – April 2024**

- Contributed to the frontend, including animated React components with Framer Motion.
- Helped with the design and testing of their data indexing language, Streamline.
- Built and deployed large scale data indexing pipelines.
- Contributed end to end Cypress tests.

**Smart Contract Security Researcher, Contracting** – Los Gatos, CA **August 2023 - Present**

- Developed a security toolkit that uses both static code analysis and dynamic runtime analysis. Complete with visualizations to highlight, what would be subtle bugs in code such as incorrect memory layouts, as possible weaknesses in code bases.
- Discovered a high vulnerability bug for a BitVault security audit and two QA bugs for Kinetiq on HyperLiquid.