

Silas P Sadia

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Overview

- Software development and architectural design experience primarily using Java and C++.
- Experience using Amazon A/B testing, metrics, and performance tools for maintaining site reliability and cross-platform monitoring.

Career

Amazon

Seattle, WA

Software Development Engineer

May 2019 - Present

Full-stack devops for a cross-team platform providing service-oriented architecture to help digital businesses in Amazon set up, maintain, and monitor Device+Subscription product bundles.

Shanghai Haoyong Network Technology

Shanghai, China

Software Engineer

Dec 2017 - Apr 2019

Lead development and operations of Bitcoin fork projects (C++) and performance auditing of network.

Fourth Wave Blockchain

Los Angeles, CA

Contractor

Feb 2018 - May 2018

Composed design of a multimedia content streaming platform (C++) built on top of IPFS and EOSIO.

Projects

minos

<https://github.com/silaspsadia/minos>

Minimalist preemptive multitasking, virtual memory OS with interrupt handling running on x86 (C, ASM).

oskidb

<https://github.com/silaspsadia/oskidb>

Persistent key-value store (C++) and complete API with performance optimized for reads and writes.

genki

<https://github.com/silaspsadia/genki>

Desktop app (Java) with large-scale file encryption, shredding, backups, and secure sharing features.

Education

University of California, Berkeley

Berkeley, CA

Computer Science B.A.

Aug 2016 - Jan 2018 (Deferred)

Tools

Languages: Java, C, C++ (up to C++17), {x86, MIPS, ARM} Assembly, Perl, Python, Bash, Lisp, SQL

Libraries: Spring, C++ Standard Library, Boost, Qt, LevelDB