AXEL KINGSLEY

axel.kingsley@gmail.com
github.com/axelkingsley
axelkingsley.com

I am a Staff Software Engineer with 14 years experience delivering high performance scalable systems in SAAS and Web3; a technical leader with a passion for mentorship and team growth; an expert in Centralized and Decentralized System Architecture, with experience in Golang, Javascript, Python and Java. I am seeking opportunities to apply my talents to world class organizations by delivering high quality, high impact software designs and implementations, while helping to grow and develop an empathetic and cooperative team of world class engineers.

EXPERIENCE

OP Labs (Optimism)	**Staff Software Engineer**	**December 2023** to **Present**

Staff Software Engineer on OP Labs **Protocol Team**. Responsible for software architecture/design, implementation and operations of the OP Stack and OP Mainnet. Project focuses include **Native Interoperability (Superchain)**, **Gas Limit Performance**, **Alt-DA**. Responsible for cross-organizational growth through mentorship, hiring, operational improvements at the engineering staff level.

Algorand Inc.	**Senior Software Engineer**	**September 2022** to **September 2023**

Senior Engineer on the **Protocol and Performance Team**. Responsible for self-directed identification, architecture/design, and implementation of improvements to the Client Software (go-algorand). Project focuses included **Cryptographic Peering Handshakes**, **Dynamic Rate Limiting**, **Infrastructure Tuning**, and **Orchestration/Telemetry** of a distributed network processing up to 7k TPS.

Blocknative	**Senior Software Engineer**	**November 2021** to **August 2022**

Lead Developer of Blocknative's **Mempool API Backend**. Responsible for architecture, implementation and operation of real time Mempool data collection and processing services. Designed, developed and deployed **Ethereum Transaction Introspection Services**. Responsible for team leadership including prioritization, mentorship and growth.

Amazon Web Services	**Software Development Engineer II**	**January 2016** to **March 2021**

Software Engineer across multiple teams and organizations at AWS including founding of **Cloudformation StackSets**, launch of **Amazon Linux 2**, and engineering of **AWS Training and Certifications Backend Systems**. Responsible for conception, design, implementation and operations of all aspects of SAAS products.

Intel Corporation	**Software Development Engineer**	**January 2012** to **January 2016**

Software Engineer for PC Client Group, for "**Test Web Services**", an internal Validation Automation Framework deployed company-wide. Responsible for development and maintenance of the framework, and training and distribution to internal teams.

EDUCATION

Northern Michigan University	**Bachelor of Computer Science** (3.6 GPA)	**September 2009** to **December 2011**

Studied under an accelerated schedule to obtain a 4 year degree in 2 years. Student Employee responsible for CS Department tutoring, IT Lab support, Telecom Infrastructure engineering. Three time undergraduate research presenter to Argonne National Labs with topics focusing on Genetic Algorithms and Simulation.