

Morgan Weaver

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SUMMARY

Hello. I'm a Backend Engineer turned Product Manager, with a solid technical foundation in AI/ML, microservices, distributed systems, DevOps, and security automation as well as technical writing. Strong problem-solving, stakeholder management, and ability to prioritize and manage complex projects. Collaborative, adaptable, and driven to deliver top-notch products that meet customer needs.

RELEVANT EXPERIENCE

- **Chainlink Hackathon, 2022 (Grand Prize):** Envisioned, designed, partially developed and project managed execution of a complex financial gambling protocol in 2.5 weeks. [Presented and won](#) against 22 teams.
- **OpenZeppelin, March 2023-Present:** Blockchain security engineer, Ethereum Enterprise Alliance security certification standards contributor. Demo'd security product to many customers, performed user support.
- **Backend Engineer, 98point6:** Designed & implemented AWS Cloudformation/Serverless & JVM/Kotlin monolith solutions, architected backend systems & microservices to suit quickly-evolving business needs..
- **Machine Learning Engineer, Nordstrom:** Hybrid of Deep Learning, ML, Data Science and DevOps. Created recommendation models + custom ML platform w/minimal lib use and deployed these models to production.
- **Summer 2017 Internship at Apple Siri,** Container management and compute scaling, MESOS, Docker, K8s

SELECTED SKILLS

- User story creation, requirements gathering, stakeholder management, prioritization, estimations
- Product roadmapping, wireframing (Balsamiq, Figma), Agile methodology, Scrum, A/B testing, SQL, analytics
- **Languages:** Solidity, C#, C++, C, Python, Java, Kotlin, Typescript; bash, Dockerfile, &ct. scripting languages
- **Mentoring and Teaching:** Guest lecturer, CI/CD and DevOps, **University of Washington** (2020), Presenter for Grace Hopper Celebration (2020 and 2023), Mentor for three students in my last two tech jobs.

RECENT TALKS

- **ETHCC (2023):** 7 Tips for Bridging the Gap from Tutorial Hell to Professional Web3 Developer; Women of Web3 Panel; NFT Monitoring in The Sandbox
- **Grace Hopper Celeb. (2023):** OpenZeppelin's Top 10 Blockchain Hacking Techniques: An Intro to Web3 Security
- **DevConnect Istanbul (2023):** SecOps for Web 3.0: Monitoring, Automation & Circuit Breakers; Threat Level Midnight: VM-Level Threats and How to Prevent Them

AWARDS + ORGANIZATIONS + VOLUNTEER

Encode x Chainlink Hackathon 2022, Grand Prize Winner (Project: [Liquibet](#))

Berlin^3 Hackathon Volunteer at Berlin Blockchain Week, 2022

Unloop—Volunteer since October 2018, mentor and resume review for formerly incarcerated full stack students
Second Place + Most Technical --Facebook Women Students Hackathon, November 2015

Scholar/Award Recipient, Grace Hopper Celebration 2016—Largest international convention for women in tech

Founder, Vice President, Women in Technology (WIT)—Seattle University-based campus club (Feb 2016-Feb 2018)

cppCon 2016, Bellevue, WA— 30+ hrs volunteerism amongst C++ legends

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PROFESSIONAL SUMMARY

OpenZeppelin.—Remote/Global

PROTOCOL SECURITY ENGINEER

March 2023-Present

- Engineer onchain/offchain security automation + bespoke/POC work for clients like Lido and Compound.
- Create onchain attack simulations for incident response projects for clients, demo product to clients
- Contribute to Ethereum Enterprise Foundation : EthTrust and DRAMA security certification spec work.
- Created numerous security presentations, demos, talks, workshops, assessment tools.

98point6, Inc.—Seattle, WA

SOFTWARE ENGINEER II

May 2020-July 2022

- Design and implement Serverless and Server-based primary care-related services in response to fast-paced growth, connecting monolith to new services and creating AWS-based serverless microservices to support evolving health data ecosystem. Respond to changing strategies and stakeholder needs. Oncall rotation.
- Keywords: AWS Lambda, Dynamo, CloudFormation, CloudWatch, DataGrip, RedShift, Kotlin, TypeScript, Java, SignalFX, SumoLogic, Cloudwatch,

Nordstrom, Inc.—Seattle, WA

SOFTWARE ENGINEER II

June 2018-April 2020

- Support Product Recommendations w/ development/testing of Deep Learning and stochastic models
- Developed Machine Learning platform including customized encrypted Tensorflow Serving variant, Jupyterhub server; team's Tensorflow Serving modifications for encrypted serving later merged with Google master repo
- Developed a major deep learning model to evaluate fashion outfits for style, including writing of encoders, data procurement and cleaning, training strategies, deployment (kubernetes, docker, RESTful Flask), and maintenance

Apple, Inc.—Cupertino, CA

SDE INTERN

June 2017-September 2017

- Created Teamcity plugin in Java utilizing REST API to create elastic build agents w/ Apple internal resource scheduler which are then managed by TC; containerized Docker images with Linux cgroups.
- Only intern to participate (in data science project) in Siri Hackathon 2017
- Designed automatic validation system for nondeterministic integration tests within privacy constraints

Vertex.AI—Seattle, WA

SDE INTERN

July 2016-September 2016

- Independent project: Configured a Jenkins CI server on Google Container Engine (includes Kubernetes and Docker) with customized Debian-based Docker image for worker nodes which build and test with Bazel, then push finished, tested, logged code to Cloud Storage for collection.
- Sharpened up general integration, Docker, Kubernetes, bash scripting, YAML, Arcanist, and Phabricator skills

EDUCATION

0xMacro Fellowship (Advanced Solidity Security & Auditing)

Remote, Sept-Oct 2022

Encode Bootcamp (Solidity)

Remote, Jul-Sept 2022

MS, Computer Science

Seattle University, March 2018

BS, Cognitive Neuroscience & Bioethics

University of Washington, June 2010

PUBLICATIONS

Contributing Editor, *EEA EthTrust Security Levels Specification v2.0*, Retrievable at:
<https://entethalliance.github.io/eta-registry/security-levels-spec.html>

A Beginner's Guide to Vitalia, Weaver 2024. Commissioned journalistic article for VitaDAO. Retrievable at:
<https://www.vitadao.com/blog-article/a-beginners-guide-to-vitalia>

Machine Ontologies: Approaches to Semantic Modeling in Machine Learning, Weaver 2018. Literature review on semantic architectures in machine learning for natural language processing. Retrievable at:
https://github.com/morganjweaver/machine_ontologies

Integrative Oncology, 2nd Ed., Abrams & Weil 2014. Chapter contributor, Botanical Medicines. Oxford Press.