

Alexander Velikanov

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EDUCATION

University of California, Los Angeles

September 2019 – June 2021

- **Major:** Computer Science

University of Maryland, College Park

August 2018 – May 2019

EXPERIENCE

101

December 2021 – August 2023

Co-Founder and CTO

Los Angeles, CA

- Raised \$2.2M in venture capital, Issued >1M credentials to ~1M users, Secured partnerships with top Web3 orgs
- Architected and managed the development of a web3-powered education platform creating a novel blockchain credentialing system.
- Developed Solidity (Ethereum), Rust (Solana) smart contracts as well as novel zero-knowledge cryptosystem for on-chain assessments
- Managed fast growing team of developers, re-training FAANG developers on blockchain/web3 development techniques

Pearl Jobs

October 2020 – November 2021

Co-Founder and CTO

Los Angeles, CA

- Led development of a next-generation conversational job discovery and recruitment platform centered around texting
- Managed a team of both staff and intern developers to develop full-stack applications and custom machine learning tools
- Worked to align the technological vision with the overall company mission and values while maintaining top-notch engineering values

Amazon – AWS Elastic Load Balancing Team (ELB)

June 2020 – September 2020

Software Development Engineer

Seattle, WA (Remote)

- Developed new feature to minimize the impact of usage spikes on AWS ELB for customers ranging from small startups to Netflix
- Identified and mitigated issues from the service itself and other internal AWS services to minimize failures/latency for users by 50—90%
- Took initiative to improve tooling, in the process reducing Java build and CI/CD deploy time of the team's main application by 2-3x

T. Rowe Price

May 2019 – August 2019

Software Engineering/Global Technology Intern

Baltimore, MD

- Integrated in Agile team working in CA Rally, beating weekly story point goals and often pulling in 2-3 new stories during each sprint
- Collaborated with sales teams to design and develop a tool using the MEAN stack which projects clients' assets under management
- Independently developed tool and algorithms based on internal research; bringing the project to production several months early

National Institute of Standards and Technology

June 2018 – August 2018

Computer Science Research Intern

Gaithersburg, MD

- Contributed to research on implementing new Root and Rule Natural Language Processing for academic search and autofill applications
- Developed search applications in ASP.NET that increased accuracy by 40-50%; Created data processing tools for 100x human efficiency

SKILLS

- **Coding:** Java, C#, Python, Solidity, Blockchain, JS, SQL, Typescript
- **Tools:** Git, AWS, Jira, Postman, Node.JS, React, Bootstrap, Angular

LANGUAGES

- **Russian** (Native or bilingual proficiency)
- **Spanish** (Working proficiency)

PROJECTS

"GPTeam" GPT-4 Generative Agent Collaboration Project

2023

- Developed unique technique for orchestrating multiple human-like GPT4 powered agents with separate memories and personalities which collaborate over natural communication channels (skeuomorphic replication of an office of humans)

"OnCampus" Full-Stack Web/React-Native App

2019

- Lead the development of Next.js app with backends in Node.js (Firebase) and Django (AWS). Created autoscaling backend and CI/CD pipe

"Alexa Startups" Alexa Skill

April 2018

- Developed an Node.JS Alexa skill that queried the CrunchBase API ran on MongoDB's serverless platform for a hackathon (Bitcamp 2018)

"Pay M8" Android Application

2015

- Reverse engineered Android APKs for contactless payment to remedy failing device auth on HTC One phones with custom ROMs
- Reverse eng'd OS auth process; Coded (Java) the modifications for customized devices work with contactless payment applications