NIKITA ASHOK

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EDUCATION

University of California, Berkeley - Computer Science (2021)

Activities
- Free Ventures, pre-seed startup accelerator
- Accel Scholars
- Fung Fellowship, health + tech design program
- Sigma Eta Pi, co-ed entrepreneurship org.

SKILLS

- Python
- PHP (Hacklang)
- Java
- JS/ReactJS
- HTML/CSS
- GraphQL
- MySQL
- AWS
- Git
- Figma

EXPERIENCE

Slack, Inc. | Software Engineer   Aug. 2021- present
- Built a Hacklang/PHP authorization layer around the API layer of the call stack to enable developers to use type safe resource loading and policy engine checked arguments to reduce security attack surface
- Developed detailed automated metrics reports for the security organization that are presented at the executive level and used as projection modeling for SLA status reports
- Managed and mentored an intern and guided them through the process of defining a technical design spec and building a library with a new data model layer, API layer, and frontend interface

Slack, Inc. | Software Engineer Intern, Kleiner Perkins Fellow   May 2020 - Aug. 2020
- Developed and led the incorporation of a new XSS (cross-site scripting) prevention library for Slack's link "unfurling"
- Built a fully functional recursive strategy based library in Hacklang, creating lexers, generators, and tokenizers to convert regular string meta URL's to tokens that are sanitized of vulnerabilities
- Tracked metrics for sanitizer usage using Elastic Logstash, Prometheus and Grafana - the library acrues over 200 requests/second in live production code

Amazon | Software Development Intern   May 2019 - Aug. 2019
- Built a full stack application using React.js, Java, and AWS Lamda, called AWS Single Sign On App Catalog, which transformed over 200 integration templates for SAML federation flows, saving the team over 20 hours of engineering work per week
- Managed and monitored the teams SAML integrations for SSO through the read, search, sort, and utility diff functionality I built for version control within the APP Catalog SAML company catalog

Pursu | Frontend Engineer (pursu.dev)   May 2020 - May 2021
- Developed frontend functionality and design with ReactJS, GraphQL, Postgress, Apollo Client, and Material UI for an ML tool that automates software recruitment management

Free Ventures | Managing Director   March 2019 - May 2021
- Managed all operations within the leading pre-seed accelerator at UC Berkeley with investment firms across the Bay Area to support 10 startups per year
- Drove new sponsorship structures for the program and secured over $7k in funding to help with legal and banking startup needs (8VC, Silicon Valley Bank, etc.)

PROJECTS

Develop for Good, Climate Donor | Product Manager
- Led a team of 10 designers and developers to carry out Climate Donor's website revamp
- Managed client relation communication and drove the technical timeline of the product

Fung Fellowship | Product Designer + Manager
- Led product design for multiple healthcare clients' web tooling revamps

AWARDS

National Center for Women & Information Technology (NCWIT)

San Francisco Bay Area: Honorable Mention (2017)