Ivraj Seerha

hello@ivraj.me
linkedin.com/in/ivraj
github.com/ivraj

Experience

Director of Engineering	Bellwethr	Aug 2019 - Present

- Managed and worked alongside 3 devs to create RetentionEngine, from idea to launch over 2 months.
- Created 3 MVP AI Marketing tools using React and Django, one of which is used in production at a bank.

CTO	blogwise	Mar 2019 - May 2019

- Developed a SaaS product to spin up fast, beautiful blogs. Built with React, Gatsby, Node, and Postgres.
- Worked primarily on static site generation pipeline using Gatsby and Netlify.

Program Management Intern	Microsoft	May 2018 - Aug 2018

- Led development of intrusion detections on foundational Azure services, resulting in discovery of suspicious activity.
- Spec'd Azure-wide Detection Testing and Documentation Framework to be implemented in upcoming semesters.
- In addition to assigned work, created reports on detection efficacy resulting in a ~65% reduction in faulty security alerts.

Lead Engineer	DEV	May 2018 - Aug 2018

- Led team to create a React/Node app for HBS Startup Lullaby. MVP was used to win Semi-Finalists at the HBS New Venture Competition.
- Developed the first iteration of internal React Native mobile apps for HSA Cleaners and HSA Tutoring.

Hardware Engineering Intern	Tagup	May 2018 - Aug 2018

- Integrated GSM hardware shields with existing IoT gateways to add cellular connectivity.
- Developed back-end infrastructure with AWS IoT, S3, and DynamoDB for remotely controlling IoT devices.

Education

Harvard University	2015 - 2019

Bachelor's Degree in Computer Science

Projects

Design Instructor at Faros Horizon Center with MIT D-Lab	Winter 2018 - 2019

- Worked with MIT D-Lab to set up the Horizon Center's woodshop and electronics labs.
- Designed and delivered Arduino workshops for unaccompanied refugees between the ages of 9 – 17 in English/Punjabi.

Lead Developer on Homebase	Jul 2017 - Feb 2018

- Lead Dev for small team creating a mobile-based data collection platform using Google Firebase's Realtime DB API.
- "Most Innovative Use of Google Tech" at Google Hacking for Good 2017 at HBS
- Semi-finalist in HBS i3 Innovation Challenge

Bridge2Rwanda Portal	Winter 2017 - 2018

- Selected as a "Tech in the World Fellow" for the Harvard Developers for Development to travel to Rwanda and work at local NGO.
- Designed and built a web-platform to connect NGO's students and companies throughout East Africa.

Skills

Languages/Frameworks/Tools
Python, JavaScript, TypeScript, React, Django, Node, Express, Postgres, MongoDB, AWS, Firebase, Heroku, Docker

Fabrication
SolidWorks (Associate Certification), Eagle, CNC/Manual Milling and Turning, PCB Milling, 3D Printing, Laser Cutting, Bench Tools