Jake Kinsella

SOFTWARE DEVELOPER

CONTACT

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TheLocust3

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Available for Co-op from January - June 2020

EDUCATION

Northeastern University, Boston, MA

Candidate for a Bachelor of Sceience degree in Computer Science

Expected Graduation: 2022

GPA: 3.72/4.0

DEV SKILLS

Skillful: Scala, React, Javascript, HTML/CSS, Java, Ruby

Proficient: NodeJS, Python, Lua, AWS Services, Data Streaming

Familiar: C, Rust, Kafka, Elasticsearch, PostgreSQL, Distributed Systems

EXTRACURRICULARS

.406 Ventures Student Fellow

Studio Engineer at Generate

Northeastern Toastmasters

Husky Startup Challenge

Entrepreneurship Club

FRC Team 4761 (high school robotics)

VOLUNTEERING

Mentor at the Clubhouse Network

FIRST Lego League Coach for Middle school students

FIRST Robotics Field Reset volunteer

TECHNICAL EXPERIENCE

Threat Stack - Data Engineering Intern
Boston, MA - May 2019 to August 2019
- Tasked with working on team building out event search using real-time streaming applications processing billions of events, and Elasticsearch.
- Obtained the responsibilities of a full software developer, dealt with highly distributed systems and a microservice architecture.
- Programmed streaming jobs and libraries used on hundreds of machines processing mission critical, real time data.

CandidateXYZ - Founder
Reading, MA - March 2018 to September 2018
- Worked full time over the summer of senior year to create the company and find customers for the product.
- Built a web app designed to remove the artificial barriers of running for local political office.
- Automated campaign finance laws and made it easy to register to run for office.

Talla - Web Development Intern
Boston, MA - June 2017 to August 2017
- Created a data annotation platform that would allow the comapany to import Slack conversations and rate whether the chatbot's response was correct or not and what it should be.
- Gave the data scientists the ability to rapidly iterate on the ML models powering the product and allowed the company to outsource data annotation to gig-workers.

Nutonian - QA Engineering Intern
Boston, MA - June 2016 to August 2016
- Automated performance testing, building a suite of tests to track API performance over time.
- Maintained/added fully automated Selenium tests, learning how to develop strong automated browser tests and testable websites.
- Learned how to develop testable and verifiable software through a strong QA team.

CloudHealth Tech - Software Engineering Intern
Boston, MA - June 2014 to August 2015 (over two summers)
- Developed an invoice generator for customers that could be called through a Ruby on Rails API call.
- Involved in all phases of software development from implementation to deployment, and participated in an Agile team.

PROJECTS AND CREATIONS

Hierarchy
- A task manager allowing users to map out tasks/goals as trees while giving users the ability to track those goals in a column/card view (like Trello)
- Typescript/React webapp with a Scala/Finangle API backed by Neo4j and PostgreSQL
- Currently under active development, trying to achieve feature parity with Trello to then move personal task management over to it full time

Custom CPU Emulator
- Emulates a custom CPU with a limited instruction set, and built an assembler for the CPU
- Designed a custom CPU and made hundreds of design decisions for the custom stack

Intel 8080 Emulator
- Developed an Intel 8080 CPU emulator in C
- Emulates the Intel 8080 CPU based on the original Intel specification
- Fully tested instruction set and CPU interrupts