

Jacob Szepsy

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JacobSzepsy.codes

OBJECTIVE

Seeking a position at a company where I can further grow out my computer science skills and make meaningful contributions.

EDUCATION

New Jersey Institute of Technology 2018–2020

BS Information Technology BS/MS Computer Science | GPA 3.92

Ocean County College 2016–2018

AS General Studies Computer Science | GPA 3.45

EXPERIENCE

PotatoTV | Remote Aug 2020 – Present
Principal Engineer

- Responsible for numerous roles including full stack development, DevOps, and database administration
- Built and launched v1.0 of React Native app to the iOS app store
- Architected and led conversion of existing API to RESTful standard increasing the overall organization
- Architected and led implementation of JWT tokens to provide user authentication for our API increasing security by 100%
- Architected and led a full backend redesign including a migration from NoSQL to SQL, resulting in up to 160% performance improvements and stronger data integrity
- Architected and led implementation of inhouse chat system using redis, resulting in a twice as stable platform over the existing implementation

Private Tutor Jan 2016 – Dec 2020

- Helped tutor several people in various CS concepts including web design, java programming, and general programming concepts

NJIT | Newark, NJ Jan 2019 – May 2020

Research Assistant

- Assisted Dr. Amy Hoover in her work on the JaggySnakes project
- Studied and programmed population-based stochastic algorithms

SKILLS

java, python, R, ruby, ruby on rails, deno, javascript, Node.js, Express.js, React, React Native, iOS development, android development, rabbitMQ, multithreaded programming/design, Ajax, jQuery, HTML, CSS, PHP, project management, Google Cloud Platform, Amazon Web Services, cloud security and identity, Kubernetes, Docker, Amazon Web Services, MySQL, SQL, Sequelize, NoSQL, firebase, redis, git/github, windows, unix

NOTABLE PROJECTS - Full List Available at github.com/JacobSzepsy

Webstore Ruby on Rails 2021

Webstore framework with stripe integration.

Web Crawler Node.js 2020

Web Crawler designed for Solosegment to analyze client sites with NLP for analytics.

ReactForums React.js frontend / Ruby on Rails backend 2020

Forums platform that allows users to create and interact with threads on multiple boards.

NJITv LAMP stack 2020

Web platform that allows users to keep track of and discuss their favorite shows and movies.

E2E Chat Java 2020

Chat service that provided end to end encryption for users.

Awards

Personal

Best Use of Google Cloud Platform - HackHERS February 2019, Best From Scratch Program - HackNJIT November 2018

Academic

Dean's list Fall 2016, Spring 2017, Fall 2018, Fall 2019, Spring 2020, Fall 2020