



## Adam Siwec

Student and Full-Stack Developer

### Education

#### Candidate for Bachelor of Science: Computer Science - Stanford University, Stanford, CA

Sept 2019 - June 2023

- Coursework in computer organization and systems, blockchain, and data structure / algorithms
- Volunteer Tutor at Buena Vista Mobile Home Park
- Volunteer Software Engineer for Code the Change, working with security for Manna cryptocurrency

#### High School Diploma - Rogers Heritage High School, Rogers, AR

Aug 2015 - May 2019

- Valedictorian in class of 400
- GPA 4.5, 13 AP classes
- National Merit Finalist and National AP Scholar
- All-State Programming Champion, TSA (Technology Student Association)
- 2nd Place at University of Arkansas Hackathon in Collegiate Division

### Experience

#### Software Engineer Intern - J.B. Hunt Transport, Rogers, AR

June 2019 - Current

- Index thousands of customer orders with Elasticsearch to be easily searched from customer-facing applications. Built application in Spring Boot, and deployed service to Kubernetes.
- Designed and programmed an integrated voice assistant for truck drivers using the company's mobile application, natural language processing, and contextual awareness. Our feature was able to interpret and act on 90% of users' actions or questions.
- Developed state management using React sagas to add new pages, actions, and analytics for users.
- Analyzed user and software requirements to determine feasibility of design within time and cost constraints.
- Organized daily standup meetings, executed 1 week sprints, and managed programming tasks for team of 4.
- Programmed a live updating polling app for voters to use at an internal company hackathon. Cut existing codebase and application size in half by using serverless architecture paired with Google Cloud.

#### Software Engineer Intern - ORM Poland, Jelenia Gora, Poland

June 2017 - August 2017

- Created a live dashboard for viewing the build status of all company projects bringing 250 manual checks to 1 screen.
- Developed extensive REST APIs using AWS Lambda to integrate with continuous integration monitoring services of over 250 project builds.
- Extensively used Terraform, Docker, and GraphQL for resource and API management.
- Had daily briefings with other developers to analyze stack requirements, develop user stories, and demo features.

#### Lead Cloud Engineer - LevelSet, Stanford, CA

2020

- Developed API management system, audio stream handlers, and UI for a platform to detect insults in the workplace with over 95% accuracy
- Built a server integration to stream WebSockets audio into a storage solution.
- At Stanford Treehacks Hackathon 2020, LevelSet won best decision making under uncertainty from Citadel Securities.

#### Blockchain Development - JerryCoin

2019

- Designed and Implemented a secure web-based cryptocurrency that can be accessed from any device as a final project for a computer science course.
- Utilized WebSockets to create decentralized nodes that communicated transactions asynchronously, bringing the time of transaction processing down by 96% compared to other cryptocurrencies.
- Implemented 8 load-balanced server nodes that kept historical blockchain records to propagate history to new nodes using Redis.

### Personal Information

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### Programming Languages

#### Extensive Knowledge:

- JavaScript / NodeJS
- Python
- C++ / C

#### Working Knowledge:

- Java
- HTML / CSS
- Go

### Tools, Frameworks & Skills

#### Extensive Knowledge:

- Git
- Deployment: Docker, Heroku, Terraform
- Serverless Architecture
- React / React Native
- MongoDB, Redis
- WebSockets and asynchronous messaging

#### Working Knowledge:

- Mockup and Multimedia Creation
- Natural Language Processing
- Agile
- SQL
- Software Testing

### Volunteering & Community

- Arkansas Academic All-Star, Ranked 20 most influential teenager in Arkansas | 2019
- LULAC (League of United Latin American Citizens) Officer / Treasurer | 2016 - 2019
- President and Founder of Computer Science Club | 2015 - 2019
- Co-Founder and Programming Team Lead for FIRST Robotics Team | 2018 - 2019
- Church Food Pantry Volunteer, Teen Leader, and Volunteer Worship Guitarist (300+ hours) | 2016 - 2019
- Member of Rogers Mayor's Academy | 2017