Alex Supkay

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ
Master of Science in Software Engineering, **GPA 4.0**   Expected May 2019
Bachelor of Science in Computer Science, Minor in Entrepreneurship, **GPA 3.64**   Expected May 2019
Coursework: Computer Science Honors (Data Structures & Algorithms), Software Engineering, Web Programming I & II, Database Management Systems, Agile Methods for Software Development, Concurrent Programming, Systems Programming, Entrepreneurial Thinking, Enterprise Software Architecture & Design, IT Security
Honors: Edwin A. Stevens Scholarship, Dean's List

SKILLS

Languages and Web Technologies: <u>Advanced</u>: Node.js, MongoDB, JavaScript, HTML5, CSS, Python, Flask, React, Java
<u>Intermediate</u>: Redis, Socket.io, C++, C#, C, Bash, Erlang, Scheme, XML <u>Beginner</u>: LaTeX, jQuery, Ruby, PHP, SQL
Tools: Google Cloud Platform, Amazon Web Services, Git, Vim, Android Studio, Unity, Microsoft Word
Operating Systems: Linux, Windows
Certificate: Google Cloud Certified – Associate Cloud Engineer

TECHNICAL EXPERIENCE

Tummy, LLC, Hoboken, NJ   March 2018 - Present
Software Engineer

- Develop the backend of a mobile food finding app using **Node.js** and **MongoDB** to create an API helping the application release and reach 300 downloads
- Forward login of the app to the server to control user data in a central location, to support running analytics in the future
- Deployed the app to AWS (Amazon Web Services) EC2 (Elastic Cloud Compute) using NGINX as a reverse proxy, and implemented a SSL (Secure Socket Layer) certification, using Let's Encrypt for a domain pointing to a static IP on Route 53
- Migrated the app to Google Cloud Platform App Engine and Mongo Atlas to allow for greater scalability to match user demand
- Utilize the Google Places API to extract restaurant information based on location, distance, maximum price, minimum rating, and whether the location was open or not

Turbo 360, Hoboken, NJ   Oct 2017 – Dec 2018
Full Stack Developer

- Developed a serverless function in **Node.js** to hit APIs of Bitcoin exchanges and return price statistics which would be hit multiple times a second to pull update information
- Adapted bootstrap templates to the Turbo 360 platform by adding a backend and customizing it for different businesses
- Communicated with users of the platform to gather feature requests and requirements

JPMorgan Chase & Co., Jersey City, NJ   Jun – Aug 2018
Software Engineer Intern

- Worked on a DevOps team to automate processes and operated in a mindset of streamlining repetitive tasks
- Used **Python Flask** to create web front ends for users to utilize self-service for private company processes
- Saved 5 people on my team more than 6 hours every weekend where they would otherwise have to sit on call and wait to give information that can now be accessed by the self-service tool
- Created and deployed confidential applications to the cloud to make tools widely accessible company wide
- Collaborated with customers of applications to resolve issues and improve overall user experience

PROJECT EXPERIENCE

GitHub Monitor, Personal   Summer 2018

- Built a web application using the MERN stack (**MongoDB**, **Express**, **React**, and **Node**) and Socket.io to create a real-time updating application monitoring a given user's GitHub repositories for new commits
- Created website as an information emitter for teams utilizing GitHub and agile development
- Evaluated and used Google's Compute Engine and Cloud DNS as the optimal way to host the application and connect webhooks
- Used Firebase Auth to have easy single sign on for GitHub and used its GraphQL API to retrieve information about user accounts

LEADERSHIP EXPERIENCE

Vaco, Hoboken, NJ   Oct 2017 – Present
Google Cloud Student Innovator for Vaco at Google

- Plan and host on campus events to promote the Google Cloud Platform with a current total attendance of about 400 students
- Develop websites utilizing App Engine, Google Cloud Functions and other Google Cloud offerings to demonstrate the uses to students
- Collaborate with employees at Google to brainstorm ideas to get students excited about the Google Cloud Platform

ACTIVITIES

Stevens Game Development Club, Stevens Computer & Console Gaming Society, Computer Science Club, Phi Sigma Kappa Fraternity – Technology Chair, Executive Board – Inductor, JPMorgan Chase & Co. - Code for Good 2017 Hackathon Winner