Alexander Kurata

akurata100@gmail.com | (203)214-3333

GitHub
github.com/akurata

Education

- **Marist College** Poughkeepsie, NY
  Bachelor of Science in Computer Science; Minor in Information Technology & Information Systems

Experience

- **TBNG Zentific** Milford, CT
  Summer Intern UX/UI Developer *June 2017 - August 2017*
  - Working on developing web assets in React..
  - Developing a client interface for a cloud computing RPC security application.

- **Marist College Web Services** Poughkeepsie, NY
  Web Developer *December 2017 - May 2019*
  - Developing and implementing the current marist.edu website in a large scale environment.
  - Content migration and staff training for the new Marist website.
  - Experience in disaster recovery and management.
  - Spent time designing Alexa Skills as a micro-service for the college.
  - Developing and previously managing an app for Marist security to track utilities across campus.

- **SPARK Business Academy** Remotely
  Contract Web Developer *July 2019 - April 2021*
  - Full stack development, working independently to build and implement a new website from the ground up. My later responsibilities with the company were composed primarily training the new technical staff.
  - Created a complete website with back end tools for administrators.
  - Technical consulting services.
  - Quickly building and managing a small business tech infrastructure.
  - Practice with user management, protecting user data, and maintaining proficient security standards.
  - This project's technical stack was a NodeJS server with MySQL database. I designed the frontend by hand before I learned what a MIT license did; I then transitioned the project to an angular dashboard template. Multiple project versions were deployed on Google Cloud VMs

- **Senior Capping Project** Poughkeepsie, NY
  Web Developer *August 2019 - December 2019*
  - Full stack developer, creating archival record management software for the Greene County Historical society intended for use at the Vedder Research Library.
  - Building a fully scalable web application, that provides many tools and services for library administrators and researchers.
  - The technical stack for this project was a NodeJS server and Postgres database, designed to be containerized in docker and run on a specialized operating system for the library.
  - Working in an agile setting with a small team.
  - Extensive time creating concise documentation for future teams to expand upon the project we created.

- **Student Researcher** Poughkeepsie, NY
  Researcher and Developer *August 2019 - May 2020*
  - Working with a professor at Marist College for a project funded by Verifikado.
  - Developing a NLP algorithm to label and contrast parts of speech using sentiment analysis.
  - The purpose of the research was to catalog and compare the tone, character, and overall sentiment of digitally published news articles.
  - This project also required me to build a full stack web application to interface with the various processing models we created. This was a bootstrap frontend dashboard, Flask API backend, and a Postgres database all containerized in docker and deployed on a Google Cloud VM.

- **Brandon Copeland Website Design/Deployment** Remotely
  Full Stack Developer *July 2020 - October 2020*
  - Working with Patriots player Brandon Copeland to design and implement a new website with appropriate infrastructure.
  - My team worked closely with Brandon and his brother Chad to overhaul their web presence. It was difficult to highlight the wide breadth of Brandon's accomplishments, while also bringing attention to the his newer programs for youth financial education.
  - We deployed a heavily customized Angular front end, with a NodeJS API, and Postgres database, which were deployed in docker and proxied through Nginx and run on a Google Cloud VM.

- **Voterlabs Inc.** Branford, CT
  Full Stack Developer *August 2020 - present*
  - Voterlabs is a machine learning and consumer analytics company, that enriches, sanitizes, and models provided consumer data using over 50 different parameterized algorithms
  - I was brought on to do re-engineer and optimize Voterlab's client facing API and upgrading their Angular dashboard.
  - This project required me to implement: 2 Flask APIs with accompanying Postgres databases (one as a client facing API that can be deployed in clusters or 'ad hoc', with the other as a proxy/host to all of our enhancement microservices and main database); An Angular frontend; and 2 Celery Worker queues consuming from a Redis broker which handle large batch jobs
  - The technical stack I managed for this application was quite large compared to anything I'd worked on before, and being the only developer on staff was quite intimidating at first. This motivated me to incorporate better CI/CD practices to meet deadlines and maintain a consistent stream of communication between me and the other departments. This stack was all deployed in docker on AWS EC2 instances, utilizing a Jenkins pipeline.

Skills

- AWS
- Angular
- Bootstrap
- C
- C++
- CSS/SCSS
- Docker
- Google Cloud
- HTML
- JQuery
- Java
- JavaScript
- Kubernetes
- MySQL
- Nginx
- NodeJS
- PHP
- Postgres
- Python
- React
- Scala
- TypeScript

References

Brandished upon request