

Ethan Sachse

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Experience

SOFTWARE ENGINEER | HEALTHNOW NEW YORK INC | JAN 2020 - PRESENT

- Developed a containerized full stack web application using Go and Angular that tests for the existence of PHI data that leaks into non-production database environments across three different database management systems
- Modernized a legacy visual basic application by rewriting it as a web application in Go and Angular that enabled QA testers to create mock insurance groups, plans, products, and members in an effort to test product and system configurations with minimal effort
- Automated a previously manual process by scripting the migration of new claims data so that it could be consumed by an internal testing application utilizing Python, bash scripts, SQL bulk copy command line tools, and a weekly scheduled Gitlab CI/CD pipeline
- Enabled continuous deployments for all web applications using Gitlab CI/CD pipelines, Argo CD, and Kubernetes

SOFTWARE ENGINEER | STARPRO | FEB 2019 – MAR 2020

- Integrated unit testing into project workflows across multiple web applications by utilizing Junit and Selenium reducing the amount of UI bugs leaking into production
- Developed strategies to improve the companies Google SEO score helping their website rise from page fourteen to page one for specific keywords and phrases
- Developed the user interface for various software products using JQuery, Bootstrap, and Knockout.js

TECHNOLOGY INTERN | M&T BANK | JUN 2018 – AUG 2018

- Built an application that tracked the evolution of thousands of data quality requirements using Microsoft Access in an effort reduce errors caused by multiple teams updating these rules using a single shared document

Projects

BLOCKCHAIN BUILDATHON

- Member of a team tasked with the development of a web application for ValueCentric that utilized a smart contract deployed to the Ethereum Blockchain to record transaction data for pharmaceutical products as they passed through the supply chain pipeline and allowed users to view the history of a specific product by the serial number without revealing confidential information about the buyers and sellers
- Developed skills writing smart contracts in Solidity, and migrating smart contracts using the Truffle framework and Node.js
- Team placed 1st in the hackathon

WAYPOINTS

- Developed a web application that utilizes the Google Maps API and the Open Weather API to get directions between two locations and set markers along the route that display the current weather in the area while storing subsequent API calls in a MongoDB database to reduce the amount API calls required

Education

BS COMPUTER SCIENCE | DECEMBER 2019 | UNIVERSITY AT BUFFALO

- Relevant Coursework: Distributed Systems, Machine Learning, Data Intensive Computing, Data Structures, Algorithms
- Data-Intensive Computing Certificate