Bobby Christopher

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EDUCATION

Landmark College
Bachelors of Science in Computer Science

Dec 2018

WORK EXPERIENCE

Zippity   Remote
Software Developer II   May 2022 - Present
- Led a 4-person team project in building the appointment creation platform in a React Native mobile app leading to a 15% increase in dollar booked
- Facilitated regular data requests, feature success monitoring, and dashboard creation in Google Data Studio and Amplitude providing actionable data to a 4-person management team
- Designed and implemented a SQL database overhaul of the payments system in preparation for a large number of payment related features
- Established a new product workflow which included React project setup, AWS infrastructure creation through CDK, and CICD configuration in under 1 month

IXIS   Burlington, Vermont
Software Engineer   Jan 2021 - May 2022
- Converted a client specific web application into a multi-tenant SaaS application within 2-3 months, allowing users to create marketing data visualizations using GraphQL API
- Created and documented custom python libraries, decoupling over 4 interdepartmental projects
- Architected an integration system to work with any SAML and OIDC provider, enabling the application to pass customer security agreements
- Designed a comment system that supported large companies of over 50,000 employees to communicate key insights about revenue and site analytics data
- Implemented a database migration from NoSQL to SQL to better support the storage of social media data

Harris Computer   Winooski, Vermont
Software Developer   Sep 2019 - Jan 2021
- Launched a long term interdepartmental project to create automated testing of our flagship application ending in the creation of over 100 tests with Selenium
- Created an nightly process to detect new COBOL errors that prevented over 150 bugs from being deployed to production environments
- Accelerated a complex data conversion process by 90% via Ansible playbooks and process management
- Built internal web applications with React and Flask daily to surface error in the development process

LANGUAGE & SKILLS

Web Development: React, HTML, CSS, Javascript, typescript, styled-components, Material UI
Backend Development: Python, Flask, Express.js, GraphQL, Typescript, SQL
Cloud Services: S3, Cloud Watch, Lambda, Simple Email Service, Firebase Products, Google Analytics
Mobile Development: React Native, Expo

PROJECTS

Controller Lab
- Developed a Electron application that helps users create complex keyboard shortcuts without code, currently supporting over 50 users' workflows

Web Scraper for Ambii
- Architected a web scraper that successfully collected over 300,000 small business emails which led to a significant increase in the product's concurrent users

Fire Word
- Recreated an iPhone game from the mid 2010s which garnered a user base peaking at 200 people