

Kody Thach

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Professional Experience

BlueVoyant - New York, NY

Full-Stack Software Engineer, Managed Security Services (May 2023 – Present)

- Builds ETL processes in TypeScript to consume data on customer installed Azure Sentinel rules, Splunk detection rules, data connectors, and vulnerabilities from various vulnerability scanners such as Microsoft Defender, to display within the BlueVoyant Cyber Defense Platform
- Uses Golang to build out microservices that define schemas and host GraphQL subgraphs managed by Apollo Federation, to retrieve, process, and measure a customers' security coverage by the MITRE ATT&CK framework, based on installed Sentinel rules, data connectors, and Splunk detection rules stored in Elastic
- Implements the UI/UX for the BlueVoyant Cyber Defense Platform and internal Azure Sentinel Automation Portal using frontend technologies such as React.js, React Router v6, TanStack Table, Tailwind CSS, and Material UI to display various security coverage metrics for Azure environments and allowing internal engineers to update customer environments
- Utilizes Express.js to build new REST APIs for BlueVoyant's Azure Sentinel Automation Portal, to create functionalities for internal engineers to deploy, delete, update, and assess how up to date the customers' Azure resources are with BlueVoyant content by wrapping Azure REST API calls to perform various actions and comparing the following updates with historical modifications logged inside PostgreSQL
- Validates code quality using test frameworks such as Playwright, Godog, and Golang's standard library testing framework

Klaviyo - Boston, MA

Software Engineer, Klaviyo Operations (May 2021 – August 2022)

- Worked with UI designers through Figma to redesign and develop a modernized Klaviyo Help Center search experience using Javascript, HTML, and CSS
- Used React.js with Typescript to create Klaviyo's Support Portal to educate and help Klaviyo users with questions related to using the platform
- Created API endpoints in Django to carry out backend operations that utilize Django's object-relational mapper across different Klaviyo services including Klaviyo's Support Portal
- Decoupled monolithic ETL processes into microservices that ran on Kubernetes pods hosted via Amazon EKS to optimize performance and availability of data ingested by Klaviyo's Help Center and Community Forum
- Wrote test cases ranging from unit, integration, and end-to-end tests using testing frameworks such as Pytest and the React Testing Library to ensure outstanding code quality from both the backend and frontend

IBM – Research Triangle Park, NC

Full-Stack Developer, IBM Finance and Operations & IBM Financial Crimes Insight (January 2020 – April 2021)

- Redesigned and implemented new graphical interfaces into IBM's Financial Crimes Insight web application using React.js and D3.js
- Managed current and newly-added Node.js packages used in IBM's Financial Crimes Insight web application to ensure that they were compliant for legal use in the application
- Updated legacy React.js and IBM's Carbon Design System code in the application to the latest version
- Used Python and CSS from IBM's Carbon Design System to automate and generate HTML reports for an easier view of fraudulent companies within clusters of data
- Developed and maintained Cognos HTML data analytic reports in IBM Cognos Analytics

Education

University of Massachusetts Lowell – Lowell, MA

- Bachelor of Science in Computer Science

December 2019

Certificates:

- Microsoft AZ-900: Azure Fundamentals
- Apollo GraphQL Developer - Professional & Associate
- **Microsoft Certified: Azure Solutions Architect Expert**
 - Microsoft AZ-104: Azure Administrator Associate
 - Microsoft AZ-305: Designing Microsoft Azure Infrastructure Solutions

December 2023

February 2024

August 2024

September 2024

Languages and Technologies

Libraries & Frameworks: D3.js, Django, Material UI, React.js, React-Native, Tailwind CSS

Programming Languages: Python, Golang, HTML5, CSS, JavaScript, TypeScript, SQL