Tucker Dooley

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EXPERIENCE

Software Engineer   **June 2024 - Present**
Encora   **Carmel, IN**
- Leading development of a proof-of-concept Python project to help distribute sensitive clinical trial data to 3rd-party vendors
- Built a NextJS application to allow admins to manage users, trial information, and 3rd party application data
- Wrote several front end pages, components, and refactored legacy javascript SPWA into typescript components using the NextJS app router

Software Development Engineer   **April 2022 - June 2024**
Amazon.com, Inc   **Nashville, TN**
- Service owner and sole engineer entrusted to design and implement a long-term invoicing service to generate thousands of pdf invoices per day, making them available to other teams through AWS API Gateway
- Implemented a full continuous deployment pipeline with CloudWatch metrics, alarms, and service dashboard
- Built unit and integration tests, automated ticket creation, and pipeline enhancements, which resulted in significant reduction in deployment time and decreased incident response time for critical invoicing service.
- One of three primary developers to develop and deploy a business-critical invoicing service in 30 days to provide a short-term solution to comply with a legal compliance deadline
- Created extensive CloudWatch metrics, alarms and a service dashboard, built comprehensive unit and integration tests, automated ticket creation, and pipeline enhancements, resulting in a significant reduction in deployment time and decrease in incident response time
- Built several cross regional APIs as well as an internal react js website to be used by the QA team to visualize our internal data to help resolve customer tickets
- Served on an on-call rotation to resolve customer facing tickets
- Key technologies used: Java, typescript, python, ReactJs, AWS lambda, SQS, SNS, API gateway, route 53, S3, DDB, Athena, cloudwatch

Software Engineer   **June 2021 - April 2022**
DMI (Digital Management, LLC)   **Carmel, IN**
- Streamlined Volkswagen's end of lease vehicle grounding and inspection validation process
- Upgraded 7 Biztalk and .NET SOAP APIs to native AWS REST APIs using the "Serverless" framework
- Key technologies used: NodeJS, Typescript, Serverless framework, API Gateway, S3, Lambda

EDUCATION

Purdue University - Indianapolis   **May 2021**
Computer Science, BS | Minor in Mathematics   **Indianapolis, IN**
GPA: 3.67
Honors College, Dean's List (6 Semesters), Scholar's List, Promising Freshman Award

CERTIFICATIONS

AWS Certified Developer - Associate
Amazon Web Services (AWS), 2021

TOOLS & TECHNOLOGIES:

Java, JavaScript, Python, C++, C#, PHP, Nodejs, HTML, CSS, React.js, SQL, Bootstrap, Git, Ember.js, Express.js, AWS, DynamoDB, API Gateway, AWS Lambda, Route53, S3, Serverless Framework, Docker