Taylor Faragher

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Full-Stack Software Skills
Frontend: Typescript, JavaScript, React, Styled-Components, React Query, HTML/CSS
Backend: Node.js, SQL, PostgreSQL, DynamoDB, Serverless
CI/CD: AWS CDK, Jest, Cypress, GitHub Actions, Webpack, Vite

Experience

Software Engineer
CoStar Group - STR, Nashville, TN | Full-Time   August 2024 – Present
- Collaborated with cross-functional teams, including back-end developers, business analysts, and QA teams, to design and implement API-driven data pipelines and ensure accurate transformation of data into the required structure for graph functionality across multiple repositories.
- Designed and implemented dynamic graphs and charts within the Global Hospitality Application, leveraging a combination of functional and class-based JavaScript and TypeScript. Utilized RxJS and the observer pattern to manage and update state across the application.

Software Engineer II
Asurion, Nashville, TN | Full-Time   September 2022 - April 2024
- Created and maintained a new customer onboarding experience for introducing products and services in React and Typescript using AWS for infrastructure and Contentful for retrieving website content.
- Led the development as the feature owner, collaborating with a UX design team and an Extract-Transform-Load (ETL) team, to design and implement a site banner facilitating user sign-ups for a complimentary product via their account. Employed React/TypeScript to construct the banner and orchestrated an event with the user's emails upon interaction, subsequently integrating with a communications system to dispatch informative emails with product information. Coordinated closely with the ETL team to analyze data, revealing a notable 13% surge in site traffic attributed to the ad campaign.
- Introduced Cypress parallel testing within GitHub Actions workflow, actively staying updated with the latest features and advancements in Cypress. Independently researched and implemented this feature, resulting in a reduction of testing time by more than half which significantly enhanced the efficiency and agility of the development pipeline while also ensuring comprehensive test coverage.
- Served as feature owner of an API ecosystem, orchestrating the creation of both a private API leveraging Typescript, AWS Lambda, and API Gateway to calculate estimated dates and product status, and a public proxy service secured by API keys and AWS Cognito. This proxy seamlessly facilitated real-time access to internally hosted APIs for retrieving accurate shipping dates and product status.
- Created GitHub Action workflows for Continuous Integration/Continuous Deployment (CICD) automated deployments to dev, feature and prod environments. Workflows included integration, E2E, and unit testing for all applications and automated release documentation for pull requests and production deployments.
- Led the successful migration of multiple TypeScript backend services from a monolithic repository to standalone repositories, revamping the deployment process utilizing Serverless framework. Implemented a distributed architecture by deploying services across multiple AWS accounts,

integrating them using AWS Kinesis and AWS SQS for event-driven communication, ensuring that future feature enhancements and security updates could be seamlessly implemented and managed.

Software Engineer I

Asurion, Nashville, TN | Full-Time   November 2019 - September 2022

- Developed new features for a Dart/AngularJS CRM application used daily by ~2000 call center workers for recording notes and information about calls.
- Worked with an external machine learning team and their API to create a new feature for displaying possible tags for calls based on the notes a technician entered on the page. Created the code in DART/AngularJS for taking the results from the API and displaying them to the user in real time as they typed. The tags were then sent in an event for reporting by business teams.
- Participated in a 24 hour on-call production support rotation which included participating in support calls, diagnosing application issues in real time, and assisting other teams in diagnosing errors.
- Implemented regular security updates for 4 large applications based in Dart/AngularJS, Typescript, and Java. Maintained KPI to patch all security vulnerabilities within two weeks.
- Provided onboarding and updates for clients to a Java based backend which retrieved thousands of customers' records each day.

Software Development Engineer in Test (SDET) II

Asurion, Nashville, TN | Full-Time   March 2017 - November 2019

- Developed a system to automatically document production deployments for front-end and back-end applications using a Jenkins pipeline. The solution was automated in code with Ansible and executed with Docker and Jenkins pipelines.
- Helped maintain a library of 500 automated tests built in Selenium and CucumberJS and executed through a Jenkins server.
- Implement integration testing for 5 back-end Typescript services using a custom integration test application based on Axios and CucumberJS.

Software Quality Assurance (SQA) Analyst II

Asurion, Nashville, TN | Full-Time   March 2016 - March 2017

- Worked in a Journey team model to develop test scenarios for new features and applications. Executed manual and regression tests for weekly deployments.
- Executed both manual and automated tests for a global multi-client application for production deployments 3 times a week.
- Developed Jenkins job to automate documentation of production deployments using a ServiceNow API.
- Contributed majority of a JavaScript and coffee-script based chat bot to deploy, test, and document application releases to production.

Education

Austin Peay State University, Clarksville, TN   August 2008 - December 2012
Bachelor of Science, Information Systems
Minors: General Business and Computer Networking

Accolades

- 2007 Eagle Scout