Trenton Morrell

Dallas, TX

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Software Engineer (Full Stack) with over 4 years of experience building industry grade applications that are scalable and easily maintainable. Domain expert with React.js and AWS Microservices.

Experience

Amazon

Software Development Engineer II   ***February '22 - Present***

- Led and executed the successful launches of Gift Cards for Amazon Video Channels (US) and Amazon Music Unlimited (Mexico), automating accounting with a message-based rule matching service. Achieved annual revenues of $650,000 USD and $450,000 USD respectively from sign-ups.
- Engineered ECS/Fargate service to track installment payments in Brazil, processing bank remittance files to persist in DynamoDB. Eliminated third-party reliance, saving significant expenses on interest rates.
- Designed and implemented a system to track customer chargebacks for installment payments in Brazil, leveraging SNS/SQS/Lambda for processing. Stored chargeback data efficiently in DynamoDB and Andes.
- Developed a scalable UI using Scala for Brazil's Pix payment method, enabling seamless integration with mobile banking apps via QR codes. Reduced future development time and enhanced user experience.
- Owned the cancellation and refund process for Prime subscriptions paid with Pix, including scoping, design docs, collaboration with teams, and implementation, resulting in a seamless and swift milestone completion.

CoStar Group

Software Engineer   ***October '21 - February '22***

- Enhanced legacy Properties Reports by implementing a React-based report generation library, resulting in a 20% increase in daily report generation capacity from 500 to 600 reports.
- Contributed significantly to migrating the CoStar Suite code base to a micro frontend architecture, focusing on development tasks and enhancing code scalability for a 25% faster development pace.

Associate Software Developer   ***September '20 - October '21***

- Implemented more than twenty features for STS integration into CoStar Suite using React.js, providing CoStar customers with advanced analytics capabilities in the Hospitality Real Estate sector.

Northrop Grumman

College Technical Intern   ***2018 -2020 (summers/winters between semesters)***

- Worked with other developers to create an enterprise web application using JavaServer Faces, Oracle SQL, and other Java EE technologies. Created a reports dashboard used by over 200 internal clients.

Skills

- Languages: Typescript/Javascript, JVM Languages (Java, Scala, and Kotlin), Python, SQL, NoSQL
- Software: React.js, Node, Gradle, Docker, AWS (CDK, ECS, Fargate, SQS, DynamoDB, Lambda), GraphQL

Education

Virginia Polytechnic Institute and State University   **August 2016 - May 2020**

Bachelor of Science in Engineering in Computer Science

Awards & Honors: Dean's List multiple semesters, graduated Cum Laude