Justin Westley

linkedin.com/in/justinwestley
Seattle, WA

(908) 914-2613
justinwestley11@gmail.com

EDUCATION

Stevens Institute of Technology — Hoboken, NJ
Bachelor of Engineering in Computer Engineering, Minor in Computer Science; GPA: 3.70 — *Aug 2016 - May 2020*

- **Awards**: Stevens Pinnacle Scholar (Honors College), Dean's List all semesters, Presidential Scholarship
- **Relevant Coursework**: Data Structures, Algorithms, Web Programming, Compiler Design, Digital System Design

EXPERIENCE

Amazon Web Services (AWS) — Seattle, WA
Software Development Engineer II - Elastic Compute Cloud (EC2) — *Jul 2021 - Present*
- Worked in Edge Compute to bring AWS services closer to end users and support ultra low-latency use cases through expansion of infrastructure to dozens of new locations
- Expanded support for multiple AWS technologies to new edge computing locations
- Maintained and improved critical service to support over 60,000 transactions per second
- Implemented guardrails within accounts to protect customers from unintended billing costs or failures when cleaning up AWS resources
- Designed and implemented service to audit live networking data from multiple sources and ensure alignment to prevent errors
- Migrated legacy database and monitoring service to NoSQL (DynamoDB) and modern architecture on AWS for performance, reliability, and maneuverability benefits
- Mentored college intern by providing daily guidance and weekly feedback to develop critical service feature

Amazon — Seattle, WA
Software Development Engineer I - Alexa Shopping — *Jul 2020 - Jul 2021*
- Worked to manage the purchases and memberships of customers by presenting interactive conversations to the end users
- Launched Prime membership and free trial sign-ups internationally on Alexa to increase global engagement of customers
- Developed support for multi-factor authentication on voice purchases to comply with EU regulations
- Designed and implemented limited-time promotion for new Prime customers during holiday events when signing up on Alexa
- Built service to audit customer data and delete when requested or upon account deletion
- Led security reviews of multiple services, which included architecture reviews, service diagrams, and leading meetings
- Prepared all team-owned services for peak events through traffic forecasting, TPS calculation, and scaling accordingly

JPMorgan Chase and Co. — Brooklyn, NY
Software Engineering Intern — *Jun 2019 - Aug 2019*
- Created dashboard to monitor uptime and status of internal applications and dependencies.
- Developed fullstack web app using React, Redux, and NodeJS to significantly improve workflow of other employees.
- Designed and implemented a scalable database with MariaDB to manage all persistent data.
- Built a REST API using Express to fetch and post data.
- Presented project directly to senior management; may be implemented company-wide in the future.

Stevens Institute of Technology — Hoboken, NJ
Undergraduate Researcher — *May 2018 - Aug 2018*
- Created an application to allow high-quality video conferencing with a large group of users.
- Designed and developed fullstack video conferencing app using React, WebRTC, Socket.IO, and NodeJS. Created mobile companion app using React Native.
- Managed team of four, including a remote member, by establishing a Slack server, Trello board, and GitHub repository.
- Trialed service with 100 users and supported over 20 users in a call while maintaining quality. Presented to over 500 faculty and students at Innovation Expo.

TECHNICAL SKILLS

- **Languages**: Java, JavaScript, TypeScript, Python, C++, Ruby, HTML, CSS, Assembly, SQL
- **Technologies, Frameworks, Tools**: Docker, Kubernetes, NodeJS, React, Redux, Postman, Git, MySQL, AWS (EC2, DynamoDB, Lambda, S3, SQS, SNS, VPC), MongoDB, Scrum/Agile/Kanban