

# Justin Westley

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Seattle, WA

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## EDUCATION

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- **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

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- **Amazon Web Services (AWS)** Seattle, WA
  - *Software Development Engineer II - Elastic Compute Cloud (EC2)* Jul 2021 - Oct 2023
    - 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.
    - Tried 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

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- **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