Maxwell Burggraf

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Seattle, WA

Experience

Amazon Web Services   SEATTLE, WA
Software Development Engineer II   *April 2020 – present*
- Led several features to completion, such as private repository support for Lightsail Containers and a major Windows instance security improvement
- Developed and maintained microservices that meter usage and ensure accurate billing for Lightsail customers. These systems were designed to continuously scale and operate on hundreds of thousands of lines of data per day
- Worked with a sub-team to develop Lightsail's Containers feature, a simplified container hosting offering
- Made several internal operational improvements to minimize the team's operational burden, which led to increased productivity on new products and features
- Mentored and trained several new developers who quickly became productive members of the development team
- Designed and built major portions of an unannounced AWS service using Kotlin and a serverless state machine architecture

Software Development Engineer I   *August 2017 – April 2020*
- Assisted with several customer-facing Amazon Lightsail features, such as Disks, Databases, Load Balancers, and Windows Instances
- Designed, built, and maintained a system that notifies Lightsail customers of important events that impact their resources. Continuously made improvements to the system to help customers receive notifications as fast as possible

Software Development Engineer Intern   *May 2016 – August 2016*
- Assisted with the development of Amazon Lightsail, a new AWS service
- Delivered a full-stack Node.js application that assisted with backend development of the service

Syracuse University   SYRACUSE, NY
Undergraduate Research Assistant   *May 2015 - August 2015*
- Assisted graduate students in developing DroidSIFT, a new, semantics-aware approach to detecting malware in Android applications
- Created a node.js web application called Gryphon and a REST API back-end to allow users to upload APK files and view malware analysis results

Teaching Assistant, *Intro to Computer Science, Intro to Systems Programming*   *August 2014 – May 2016*
- Guided classes of up to 60 first and second-year Computer Science students during in-class activities
- Covered various Systems Programming concepts in Bash and C

The Daily Orange   SYRACUSE, NY
IT Manager   *August 2014 – May 2017*
- Member of Board of Directors
- Co-managed website design and development

Education

Syracuse University   SYRACUSE, NY
Bachelor of Science, Computer Science   *May 2017*
- Syracuse University Dean's List

Skills

- **Languages:** Go, Java, Kotlin, JavaScript, C/C++, Python, Ruby, Swift, SQL, LaTeX

- **Infrastructure:** Automated software testing, Continuous Integration pipelines, Git, Containers, Docker, rich experience in many AWS services including: DynamoDB, SQS, SNS, ECS, Lambda, CloudFormation

- 4+ years of 24/7 operational support on-call experience to maintain a high bar for software quality

- Excellent written and verbal English communication skills