

Michael Henry  
Charlotte, NC | (334) 444-6464 | michael@michaelhenry.me |  
<https://www.linkedin.com/in/mhenry01>

## Summary

Highly proficient Senior Systems Development Engineer with a proven track record of designing, developing, and implementing complex software solutions. Extensive experience in Java, Typescript, and Python, with expertise in AWS cloud technologies and CI/CD practices. Adept at leading and mentoring engineering teams, driving technical design reviews, and fostering a culture of collaboration and innovation. Seeking a Staff Software Engineer role with a target salary of \$185,000+ annually. Open to remote, hybrid, or traditional work arrangements in Charlotte, NC.

## Skills

- \* Software Development: Java (Spring, Dagger), Typescript, Python
- \* Cloud Technologies: AWS (CDK, CloudFormation, Lambda, ECS, DynamoDB, S3, etc.)
- \* DevOps: CI/CD, Infrastructure as Code, Automation
- \* Methodologies: Agile, Scrum
- \* Leadership: Team Leadership, Mentoring, Technical Design Reviews, Code Reviews

## Professional Experience

### Senior Systems Development Engineer | Amazon Web Services | Dec 2019 - Present

- \* Led the design and development of a global-scale data replication platform, utilizing Java and Dagger within Lambda, ECS, and on-premises applications to process and replicate 15 million records hourly across 53 AWS regions.
- \* Developed a core component of the replication platform using Java and Dagger, ensuring high performance and reliability for critical business data replication across AWS regions.
- \* Built and maintained a service responsible for engaging operators in air-gapped AWS regions, utilizing Java with Spring and Typescript to process requests and replicate data to unrestricted regions for operator engagement.
- \* Leveraged AWS CDK and Typescript to implement Infrastructure as Code, automating the deployment and management of cloud resources.
- \* Utilized Python for Ops tooling to ingest service models, generate SDK clients for internal and customer use, and streamline interactions with the service.

- \* As the most senior engineer on the team, led weekly Ops Reviews, Daily Stand Ups, backlog grooming, monthly planning, and bi-annual planning sessions for the entire organization.
- \* Mentored and guided multiple software engineers, fostering their technical growth and career development, with two mentees consistently maintaining Top Talent performance review status and one mentee successfully overcoming a Performance Improvement Plan.
- \* Participated in Talent Evaluation for the entire organization across numerous engineering levels.
- \* Collaborated effectively with partner teams to ensure seamless integration and efficient feedback loops.

## Systems Development Engineer I | Amazon Web Services | June 2019 - Dec 2019

- \* Enhanced software applications in Java, contributing to feature development and system improvement initiatives.
- \* Worked closely with cross-functional teams to gather requirements and propose innovative software solutions.
- \* Implemented a fully automated region build automation reducing the average time to launch our team's services into a new AWS region from four weeks of development time to an hour of development time.
- \* Implemented a managed service to collect artifacts proving AWS Service team compliance with FIPS, SOC2, and other government compliance requirements.
- \* Wrote a software application used by DynamoDB to patch hundreds of thousands of persistent storage nodes in every AWS region.

## Systems Engineer I | Amazon Web Services | Jan 2018 - May 2019

- \* Led the migration of AWS ElastiCache from Oracle to PostgreSQL, resulting in zero customer impact and annual savings of \$4 million per AWS region.
- \* Led a service parity effort for AWS ElastiCache deploying three years of service code and database updates getting AWS ElastiCache into feature parity in all AWS regions unblocking internal AWS services to launch critical customer workloads leading to over a million dollars a year in annual revenue.
- \* Led periodic syncs and feature tracking for three of Amazon's largest revenue generating services in AWS's private clouds.

## Support Engineer I | Amazon Web Services, Herndon, VA | Apr 2017 - Jan 2018

- \* Created and implemented operational processes, ensuring adherence to SLAs for AWS services including DynamoDB, RDS, and ElastiCache.
- \* Collaborated with numerous AWS service teams ensuring their service feature availability was consistent across all AWS regions.

## Senior Systems Administrator | Health Information Designs | Mar 2016 - Apr 2017

- \* Managed IT infrastructure and led a team, enhancing system security and performance.

## Systems Administrator | Health Information Designs | Jun 2013 - Mar 2016

- \* Maintained high availability of Windows and Linux servers.

## Certifications

- \* Certified Secure Software Lifecycle Professional (CSSLP)