

Ava Johnson

Software Engineer | Cloud Solutions | OS Development

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linkedin.com

Philadelphia, Pennsylvania

With over 9 years of experience in software engineering, I bring to the table a deep understanding of cloud computing, operating systems, and data structures. My technical expertise includes hands-on experience with AWS, Azure, and Google Cloud. The highlight of my career so far has been leading a team in developing machine learning solutions to optimize search engine algorithms.

Senior Software Engineer

Google

03/2019 - Present

Mountain View, CA

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Led a 5-person team on a machine learning project to improve search algorithms, achieving a 12% increase in search relevance.

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Automated key deployment workflows for mobile services, decreasing deployment time by 34% and improving code integration frequency.

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Developed a series of security protocols for mobile applications, reducing potential security threats by 20%.

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Pioneered a cross-functional initiative to streamline database management, optimizing data retrieval processes by 15%.

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Enhanced system monitoring tools to track performance metrics, aiding in a 10% reduction in unexpected system outages.

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Initiated a successful collaboration with the UX team to refine user engagement on key applications, boosting user satisfaction by 18%.

Software Engineer II

Microsoft

06/2016 - 02/2019

Redmond, WA

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Implemented a new application feature that was adopted by 80% of the user base within the first three months of release.

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Participated in code reviews and paired programming, resulting in a 30% reduction of code defects.

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Optimized database queries in Azure SQL Database, which improved application performance by 25%.

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Contributed to the migration of legacy systems to cloud-based platforms, enhancing system scalability.

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Facilitated a workshop on cloud security best practices, leading to a 15% improvement in team compliance.

Software Engineer

Oracle

01/2014 - 05/2016

Austin, TX

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Developed a custom Oracle database solution for a finance client, increasing data processing speeds by 40%.

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Assisted in the integration of cloud services into existing products, expanding service offerings.

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Engaged in continuous learning initiatives to keep up with the latest in cloud computing trends.

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Collaborated on a six-month project that cut down system downtime by 12% through enhanced failover techniques.

Master of Science in Computer Science

Stanford University

01/2012 - 01/2013

Stanford, CA

Bachelor of Science in Computer Science

Carnegie Mellon University

01/2008 - 01/2012

Pittsburgh, PA

Open Source Database Contribution

Contributed to improving open-source database efficiency, enhancing transaction speeds by 30%. github.com/AvaJohnson/database-project

Cloud Service Monitoring Tool

Developed a monitoring tool for cloud services to streamline incident response times.

github.com/AvaJohnson/cloud-monitoring

Optimization Expert Award

Recipient of the 'Optimization Expert Award' at Microsoft for exceptional performance in system efficiency improvements.

Published Machine Learning Article

Authored a well-received article on innovative machine learning strategies implemented in search algorithms.

Spearheaded Security Initiative

Led a security protocol overhaul that became the company standard at Oracle, significantly minimizing security risks.

Cost-Saving Cloud Integration

Played a key role in a cloud system integration project that cut on-premises infrastructure costs by 25%.

Cloud Computing

AWS

Azure

Google Cloud Platform

Operating Systems

Data Structures

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