AVA JOHNSON

Software Engineer | Cloud Solutions | OS Development

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AJ

SUMMARY

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.

EXPERIENCE

Senior Software Engineer
Google

📅 03/2019 - Present 📍 Mountain View, CA

- Led a 5-person team on a machine learning project to improve search algorithms, achieving a 12% increase in search relevance.
- Automated key deployment workflows for mobile services, decreasing deployment time by 34% and improving code integration frequency.
- Developed a series of security protocols for mobile applications, reducing potential security threats by 20%.
- Pioneered a cross-functional initiative to streamline database management, optimizing data retrieval processes by 15%.
- Enhanced system monitoring tools to track performance metrics, aiding in a 10% reduction in unexpected system outages.
- 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

- Implemented a new application feature that was adopted by 80% of the user base within the first three months of release.
- Participated in code reviews and paired programming, resulting in a 30% reduction of code defects.
- Optimized database queries in Azure SQL Database, which improved application performance by 25%.
- Contributed to the migration of legacy systems to cloud-based platforms, enhancing system scalability.
- 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

- Developed a custom Oracle database solution for a finance client, increasing data processing speeds by 40%.
- Assisted in the integration of cloud services into existing products, expanding service offerings.
- Engaged in continuous learning initiatives to keep up with the latest in cloud computing trends.
- Collaborated on a six-month project that cut down system downtime by 12% through enhanced failover techniques.

EDUCATION

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

PROJECTS

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

KEY ACHIEVEMENTS

💡 **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%.

SKILLS

Cloud Computing   AWS   Azure

Google Cloud Platform

Operating Systems   Data Structures

COURSES

Advanced Data Structures and Algorithms
Specialized course by MIT focusing on complex data structures optimization.

Certified Cloud Practitioner
AWS Certification validating cloud expertise to help professionals highlight in-demand skills.

INTERESTS

🪄 **Cloud Technology Enthusiast**
Eagerly following and participating in advancements in cloud services and platforms.

⭐ **Machine Learning Advocate**
Passionate about exploring how machine learning can solve real-world business problems.

LANGUAGES

English
Native

Spanish
Advanced

INTERESTS

Open Source Contributor
Active in the open source community, focusing on projects related to database systems and efficient data processing.