

Alexander Morgan

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SUMMARY

Accomplished Java Architect with over 15 years crafting, designing, and leading sophisticated Java solutions. Experienced in building cloud-native applications that harness the power of Azure services and microservices architectures using Spring Boot. Expertly implemented event-driven designs leveraging Apache Kafka to enhance system performance. As a hands-on leader, I collaborate effectively across teams—DevOps, QA, and product owners—to deliver scalable systems while establishing best practices for security and governance. With a proven record of mentoring teams, reviewing code, and driving modernization efforts, I am committed to future-ready backend platforms that support critical business initiatives.

EXPERIENCE

Java Architect

January 2020 - Present

Tech Innovations Inc.

Chicago, IL

Direct and implement architecture strategies within a large enterprise environment. Lead the transition from monolithic frameworks to microservices-based architectures ensuring high scalability, performance, and resilience.

- Architected and deployed enterprise-scale Java applications utilizing Spring Boot and Azure services.
- Collaborated with cross-disciplinary teams to define deployment strategies through Azure Kubernetes Service.
- Established coding standards, conducted regular reviews to uphold architectural integrity, and ensured compliance with security protocols.
- Mitigated production issue impacts by effectively leading root-cause analyses and troubleshooting sessions.

Senior Software Engineer

June 2015 - December 2019

Advanced Tech Group

Chicago, IL

Played a vital role in the development and delivery of APIs and distributed systems. Leveraged Apache Kafka in enhancing microservices communication strategies.

- Developed RESTful services and established inter-service communication patterns following Microservices principles.
- Utilized CI/CD pipelines for streamlined code integration, fast tracking deployments across multiple environments.
- Engaged actively in solution design discussions to outline effective cloud usage concentrating on Azure capabilities.
- Mentored junior developers around best development practices and effective architecture designs for improved team efficiency.

Software Engineer

March 2010 - May 2015

Visionary Systems LLC

Chicago, IL

Designed, implemented, and maintained custom software solutions tailored to meet unique client requirements. Focused on secure and maintainable code structures.

- Engineered significant enhancements to existing applications; improved load times and reduced bottlenecks.
- Identified critical system deficiencies leading orchestration improvements that heightened overall responsiveness.
- Actively participated in agile methodology implementations that bolstered operational efficiency.
- Developed extensive unit tests ensuring code accuracy while expediting high-quality builds and releases.

PROJECTS

Cloud Migration Project

July 2022

Led a successful initiative migrating legacy applications to a cloud-native architecture on Azure. Focused on enabling fault tolerance and optimizing costs through container orchestration.

Microservices Implementation

December 2021

Coordinated a comprehensive shift towards microservices access patterns specifically leveraging Spring Boot and Docker for deployment. Achieved seamless service operations across multiple projects.

LEADERSHIP & AWARDS

- Recognized as Employee of the Year at Tech Innovations for exceptional contributions in enhancing architectural methodologies.
- Recipient of the Best Practices Award for developing performance benchmarks that optimized API response times significantly.

EDUCATION

Master's Degree in Computer Science

2008

University of Illinois Urbana-Champaign GPA: 3.9

Champaign, IL

Coursework: Algorithms, Data Structures, Software Engineering, Cloud Computing

Bachelor's Degree in Computer Science

2006

Coursework: Object-Oriented Programming, Database Management Systems, Web Development, Systems Design

CERTIFICATIONS

- AWS Certified Solutions Architect 2023
- Certified Kubernetes Administrator 2023

TECHNICAL SKILLS

- **Cloud Services:** Azure Functions, Azure App Services, Azure Storage
- **Programming Languages:** Java, JavaScript, SQL
- **Frameworks:** Spring Boot, Spring Cloud
- **Database Technologies:** PostgreSQL, MySQL, MongoDB
- **Version Control:** Git, SVN
- **Containerization:** Docker, Kubernetes
- **Testing Frameworks:** JUnit, Mockito
- **Build Tools:** Maven, Gradle
- **Communication Tools:** Slack, Microsoft Teams
- **Monitoring Solutions:** Prometheus, Grafana

SKILLS

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|-----------------|--------------------|-----------------------------|----------------------|
| • Azure Cloud | • Spring Boot | • Java SE | • System Design |
| • Microservices | • Docker | • Event-Driven Architecture | • Monitoring Tools |
| • REST APIs | • CI/CD | • Distributed Systems | • Orchestration |
| • Apache Kafka | • DevOps Practices | • Data Architecture | • Security Standards |

PROFESSIONAL AFFILIATIONS

- Active member of the Chicago Java User Group focusing on fostering community talent and technologies.
- Contributor to local hackathons advocating innovation and collaboration among developers.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST