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# Bernard Smith

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## ## Summary

Highly motivated and technically deep Staff Engineer with 7+ years of experience in software engineering at scale, including experience in risk system/platform development. Proven ability to design, develop, and maintain high-quality, scalable systems using Java, C#, Golang, and Python. Expertise in cloud technologies (AWS and Azure), CI/CD automation, and agile development practices. Passionate about solving complex problems and leveraging data and AI technologies to build innovative solutions. Excellent communication and collaboration skills, with a track record of mentoring peers and leading technical initiatives.

## ## Skills

- \* **Languages:** Java, C#, Golang, Python, SQL
- \* **Cloud:** AWS, Azure
- \* **Databases:** Relational Databases, Data Warehousing
- \* **Data Technologies:** Data Pipelines, Data Processing, Dimensional Modeling
- \* **AI/ML:** Machine Learning, AI Technologies
- \* **Risk Management:** Risk Platforms, Risk Systems
- \* **DevOps:** CI/CD Automation (GitHub Actions), Infrastructure as Code (Terraform)
- \* **Architecture:** Microservices, Event-Oriented Architecture
- \* **Testing:** TDD, BDD
- \* **Agile Development:** Scrum, Kanban
- \* **Data Governance:** Understanding of Data Governance Principles

- \* **Tools:** Git, Docker, Kubernetes
- \* **Operating Systems:** Linux, Windows

## ## Experience

**Staff Engineer** | *[Previous Company Name - If Applicable, otherwise N/A]* | *[City, State - If Applicable, otherwise N/A]* | *[Dates of Employment - If Applicable, otherwise N/A]*

- \* Designed, tested, and coded complex data products/systems/platforms/pipelines with high-quality solutions.
- \* Developed and maintained CI/CD automation using tools such as GitHub Actions.
- \* Implemented Infrastructure as Code (IaC) using tools like Terraform for provisioning and managing cloud-based data infrastructure.
- \* Performed software development with TDD and BDD, Microservice and event oriented Architectures.
- \* Supported live Risk platforms/systems, promoting proactive monitoring and rapid incident response.
- \* Analyzed data, existing systems, and processes independently to identify bottlenecks and opportunities for improvements.
- \* Mentored peers and fostered continuous learning of new technology within the team and organization.
- \* Participated in and led technical discussions.
- \* Designed and built high-quality, high-performance systems.
- \* Proactively reviewed work from peers and provided constructive feedback.
- \* Built reliable, secure, high-quality, and efficient Risk platforms, systems, and tools.
- \* Used data and/or AI technology or tools in design and development for high productivity and better solution quality.

- \* Led initiatives for the team by using wide-ranging experience and deep technical knowledge.
- \* Interacted with Senior Managers to discuss plans, results, and advise on complex matters.

## ## Education

**\*\*Master of Science in Computer Science\*\*** | **\*[University Name]\*** | **\*[City, State]\*** | **\*[Year of Graduation]\***

**\*\*Bachelor of Science in Computer Science\*\*** | **\*[University Name]\*** | **\*[City, State]\*** | **\*[Year of Graduation]\***

**\*\*Relevant Courses:\*\*** Data Structures, Analysis of Algorithms, Software Engineering, Senior Design and Development

## ## Projects

**\*\*Full Stack Music Sharing Website\*\*** - **\*[Brief Description if applicable]\***

**\*\*Snake Game\*\*** - **\*[Brief Description if applicable]\***

**\*\*Wordle\*\*** - **\*[Brief Description if applicable]\***

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