

TYLER M. SCHERZER

Application Engineer I

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Adaptable computer science professional with over two years of experience in IT consulting and software engineering. Proficient in designing data pipelines, crafting interactive voice response systems, and leveraging AWS serverless infrastructure for automation. Seeking a role that values innovation and offers opportunities to apply diverse technical skills.

Professional Skills

Programming Languages:

- Python, Java, Scala, TypeScript, JavaScript, HTML, CSS

Cloud Technologies:

- AWS: Lambda, Glue, EMR, CloudFormation, DynamoDB, Kinesis, EventBridge, S3, SNS, SQS, ECS, VPC, IAM, EC2, etc.

Database Management:

- AWS DynamoDB, Athena, CloudWatch and Metrics

Software Design and Architecture:

- Serverless Infrastructure, Data-Driven Architecture, Event-Driven Systems, API Design, Scalable Microservices, Data Warehousing, Infrastructure as Code (IaC)

Other:

- AWS Cloud Practitioner, Jira, Scrum, Agile Methodologies, CI/CD, Docker, Git, etc.

Work History

2023-02 - Current

Application Engineer I

Vanguard, Malvern, PA

Application Engineer I - Team Call of Duty | Vanguard | October 2023 - Current

- Transferred to the Call of Duty team as the subject matter expert, bringing in-depth knowledge of data ingestion pipelines.
- Successfully integrated CO1 into the Call of Duty team's workflow, ensuring a seamless transition.
- Played a pivotal role in optimizing and scaling existing data pipelines to meet the demands of the Call of Duty project.
- Collaborated closely with the Call of Duty product team, providing insights on data processing best practices and efficiency improvements.

- Assisted the development of microservices using AWS Lambda, automating critical processes and enhancing system efficiency.
- Contributed to the team's focus on IVR technology, ensuring seamless integration with data pipelines for enhanced data analysis.
- Conducted comprehensive knowledge transfer sessions, empowering team members with expertise in data pipeline management.

Application Engineer I - Team Channels | Vanguard | February 2023 - October 2023

- Pioneered the design and implementation of robust data ingestion pipelines, ensuring efficient and reliable data flow.
- Collaborated with cross-functional teams to integrate data from diverse sources, enhancing data accessibility and analysis capabilities.
- Spearheaded the optimization of data processing workflows, resulting in improved efficiency and responsiveness.
- Developed and maintained CO1, CRM, Alvaria, IMH, and MLD applications, contributing to the team's success in meeting project goals.
- Utilized Boto3, PySpark, AWS Glue, and more to enhance the Channels team's data processing capabilities.

2022-02 - 2023-02

Information Technology Consultant

Ferrilli, Haddonfield, NJ - Remote

- Implemented and managed operating systems and software, security systems and intrusion detection systems.
- Evaluated project requirements and specifications and developed software applications that surpassed client expectations.
- Installed important security and functionality patches to maintain optimal protections against intrusion and system reliability.
- Established network specifications and analyzed workflow, access, information and security requirements.
- Generated \$62k in quarterly revenue for Q1 of 2022

Education

2019-01 - 2021-12

Bachelor of Science: Computer Science

West Chester University of Pennsylvania - West Chester, PA

- Coursework in Software Development, Computer Architecture and Operating Systems
- Member of [Sigma Phi Epsilon](#) Fraternity
- Honors: Cum Laude (GPA: 3.6/4.0)

2017-01 - 2018-12

Associate of Applied Science: Information Technology

Montgomery County Community College - Blue Bell, PA

- Member of [Montco Computer Science Club](#)
- Final GPA: 3.3/4.0