

Joshua Yorko

SENIOR BACKEND/DATA ENGINEER · SRE SPECIALIST

Worcester, MA

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“Dedicated to mastering the complexities of backend engineering and SRE, ensuring robust and scalable solutions.”

Skills

Programming Languages	Python (Expert), Bash, SQL
Infrastructure & DevOps	Kubernetes, Docker, Terraform, AWS, CI/CD (GitHub Actions)
Site Reliability Engineering	Monitoring and Alerting Systems, Performance Tuning, Incident Management, Reliability Engineering Principles
Data Engineering	Data Pipelines, Large Scale Data Processing, Data Analysis
API Development	Designing RESTful APIs, GraphQL, API Integration and Management, Microservices Architecture

Experience

Gainwell Technologies, Conway, AR

SOFTWARE ENGINEER

June 2023 - Present

- Led SRE initiatives, achieving 99.99% uptime through strategic implementation of monitoring systems, alerts, and SLOs, directly enhancing system reliability and client satisfaction.
- Designed and executed CI/CD pipelines using GitHub Actions, streamlining deployment processes for enhanced efficiency.
- Orchestrated containerized application deployment via Kubernetes on AWS EKS, optimizing for auto-scaling and high availability.
- Developed RESTful APIs with FastAPI and managed their EKS deployment via Terraform, establishing a resilient container environment.
- Automated text extraction in AWS S3 using Amazon Textract and AWS Lambda, centralizing data into a data lake for improved access and analysis.
- Managed AWS infrastructure using Terraform, overseeing services such as EC2, S3, RDS, Elastic Load Balancers, and VPCs.
- Integrated Large Language Models via Amazon Bedrock into data analytics processes for enhanced natural language understanding capabilities.

Gainwell Technologies, Conway, AR

SENIOR DATA ENGINEER

June 2022 - March 2023

- Architected an enterprise-level data lake utilizing AWS Glue, Amazon S3, PySpark, Hadoop, Python, and PostgreSQL, significantly boosting data processing efficiency.
- Integrated the data lake with Amazon RDS via SQL views for a Django frontend, enabling seamless data access and manipulation.
- Automated complex data retrieval using Python libraries (Requests, aiohttp, asyncio, Selenium, BeautifulSoup), enhancing data acquisition speed and reliability.
- Developed real-time dashboards in PowerBI and custom visualizations using Plotly and Django, delivering insightful data analytics to stakeholders.
- Ensured high availability and scalability of web applications hosted on Amazon EC2.
- Implemented robust security measures, including SSL encryption and firewalls, to safeguard data and applications.
- Proactively monitored applications and infrastructure, minimizing downtime and maximizing operational reliability.

Lambent Spaces, Boston, MA

IMPLEMENTATIONS SPECIALIST

March 2021 – June 2022

- Directed software implementations, ensuring customer requirements were met through effective network and system configurations.
- Optimized deployment processes, resulting in heightened efficiency and improved customer satisfaction.
- Fostered collaboration with cross-functional teams to refine deployment workflows and procedures.
- Authored and utilized SQL and Python scripts for automation and efficient problem resolution.

CVS HEALTH, Cumberland, RI

DATA ANALYST (DESKTOP SUPPORT)

May 2019 – March 2021

- Designed and deployed O365 Apps for Enterprise across 80k devices, leveraging Python and Excel for efficient reporting and achieving a 30% increase in deployment efficiency.
- Created and maintained business-focused reports using Dash/Plotly, SharePoint, and Excel, driving informed decision-making processes.
- Conducted extensive data normalization from SCCM and Active Directory, ensuring data accuracy and consistency.
- Played a pivotal role in Windows 10 Enterprise Migration, focusing on rigorous testing and quality assurance of developed reports.

SPENCER TECHNOLOGIES, Medway, MA

CLIENT ONBOARDING SPECIALIST

Jan 2017 – Apr 2019

- Implemented the Smartsheet Request Management System, resulting in annual cost savings of \$16k.
- Successfully onboarded new business ventures worth over \$15 million, enhancing company growth and market presence.
- Developed and executed project plans for multiple IT projects, leading teams to successful and timely client launches.

Education

Indiana State University

Terre Haute, IN

B.A. IN ENGLISH

Aug 2006 – June 2008