

Joshua Yorko

SENIOR BACKEND/DATA ENGINEER · SRE SPECIALIST

Worcester, MA

☎ (+1) 260-443-8425 | ✉ joshua.yorko@gmail.com | 📱 joshyorko | 🌐 joshua-yorko-560103a9

“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