

# JOSHUA YORKO

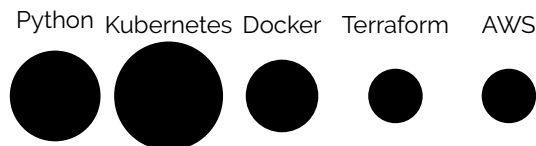
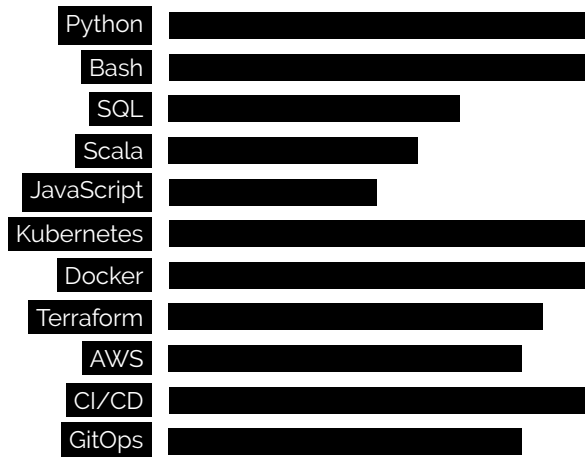
Site Reliability Engineer

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## WHO AM I?

Python Software Engineer and Kubernetes Specialist dedicated to enhancing system resilience and operational excellence.



## EXPERIENCE

June 2023 – Present **Site Reliability Engineer**

Gainwell Technologies

- 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.

GitHub Actions / Kubernetes / AWS EKS / FastAPI / Terraform / Amazon Textract / AWS Lambda / Amazon Bedrock

June 2022 – Mar 2023 **Software Engineer**

Gainwell Technologies, Conway, AR (REMOTE)

- 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.

AWS Glue / Amazon S3 / PySpark / Hadoop / Python / PostgreSQL / Amazon RDS / Django / PowerBI / Plotly / Amazon EC2

Mar 2021 – Oct 2022 **Implementations Specialist**

Lambent Spaces, Boston, MA (REMOTE)

- 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.

SQL / Python / Pandas / Scala / JavaScript / Kubernetes / Docker / Terraform / AWS / CI/CD / Gitlab

May 2019 – Mar 2021 **Data Analyst**

CVS Health

- 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.

Python / Excel / Dash / Plotly / SharePoint / SCCM / Active Directory

Jan 2017 – Apr 2019 **Client Onboarding Specialist**

Spencer Technologies

- 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.

Smartsheet

## EDUCATION

Aug 2006 – June 2008 **B.A. in English**

Indiana State University, Terre Haute, IN

## LANGUAGES

**English** - native  
**German** - proficient

## HOBBIES

I love reading science fiction, hiking, and experimenting with home automation.

## NON PROFIT

I help organize community coding workshops and mentor aspiring developers.