Contact

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www.linkedin.com/in/oluwaseyi-oyewunmi (LinkedIn)
seyidev.tech (Personal)

Top Skills

Back-end Operations

Natural Language Processing (NLP)

Kubernetes

Languages

English (Full Professional)

Certifications

Deep Web- The complete Introduction to the hidden web

Publications

Comparative Study on Prediction of Survival Event of Heart Failure Patients Using Machine Learning and Statistical Algorithms

Oluwaseyi Oyewunmi

Software Engineer | Specializing in AI/ML, Cloud Infrastructure, and Scalable Backend Solutions.
Dallas, Texas, United States

Summary

My journey into software engineering was sparked by a passion for hacking and a deep fascination with the Linux operating system. This early love for exploring system internals and pushing boundaries laid the foundation for my career in tech.

From those roots, I've grown into a backend developer with a hacker's mindset – always seeking innovative ways to solve complex problems and optimize systems. My background gives me a unique perspective on security and system architecture, which I leverage daily in building robust, scalable solutions.

Today, I channel that same curiosity and drive into crafting high-performance backend systems and delving into the realm of machine learning. Whether I'm designing resilient microservices, implementing advanced data processing pipelines, or developing ML models for predictive analytics, I approach each challenge with the meticulous attention to detail and out-of-the-box thinking that I honed in my early days of hacking.

My toolkit has evolved from bash scripts and network protocols to include Python, FastAPI, Docker, and cloud platforms. But at the core, I'm still that enthusiast who gets excited about elegant solutions and the power of open-source collaboration.

I'm always eager to take on projects that require both technical depth and creative problem-solving. If you're looking for someone who can bring a security-minded, systems-level understanding to your team's backend development or ML initiatives, let's connect and explore how we can innovate together!

Experience

aktivate##
Software Engineer
January 2024 - Present (1 year 2 months)
Delaware, United States

Feteflex
Software Engineer
June 2024 - Present (9 months)

Hordanso LLC
4 years 2 months

Cloud Engineer
August 2022 - Present (2 years 7 months)
Dallas–Fort Worth metroplex, Texas, United States

Optimized and maintained company infrastructure, improving system uptime by 99% while scaling performance across projects.

Developed and implemented workflow scripts to automate CI/CD tasks, streamlined deployment processes, and managed containerized applications using Docker and Kubernetes.

Provisioned and maintained VMs and VDIs on Proxmox, and deployed services on Google Cloud Platform using Cloud Run, Cloud Storage, and Google Kubernetes Engine.

Implemented robust access control management, conducted regular security audits, and ensured secure and appropriate access to servers and resources.

Oversaw the entire DevOps lifecycle from development to production, resolving infrastructure and deployment issues to maintain high availability and performance.

Software Engineer
January 2021 - Present (4 years 2 months)
Dallas-Fort Worth Metroplex

Led backend development for various projects involving scalable solutions and machine learning integration, driving significant improvements in system performance and user engagement.

Designed and implemented ML pipelines from data ingestion to deployment, reducing the time required to integrate new models into production.

Architected scalable backend systems, achieving low-latency response times and optimizing transaction throughput for enhanced user experiences.

Security Focus: Developed and enforced authentication and authorization protocols, ensuring robust data protection across multiple platforms.

Performance Optimization: Leveraged caching strategies and database optimization techniques to enhance system efficiency and reduce server load.

Microservices & API Development: Built and maintained RESTful APIs and a microservices architecture to ensure the scalability, reliability, and maintainability of backend services.

Automation Engineer
January 2021 - August 2021 (8 months)
Dallas-Fort Worth Metroplex

Designed and Developed Automation Solutions: Spearheaded the design, development, and deployment of customized automation frameworks, enhancing operational efficiency and reducing manual intervention across various business processes.

Process Optimization: Collaborated with cross-functional teams to analyze existing workflows and identify automation opportunities, resulting in significant time savings and operational improvements across multiple departments.

Robotic Process Automation (RPA): Leveraged cutting-edge RPA tools to automate repetitive, high-volume tasks, improving accuracy and consistency while freeing up human resources for more strategic initiatives.

Workflow Automation: Automated critical business functions, including data processing, reporting, and system monitoring, leading to a reduction in errors and a 50% increase in operational speed.

Continuous Improvement: Implemented feedback loops to continuously monitor and optimize automated processes, ensuring systems remained efficient and adaptable to changing business requirements.

Cross-Platform Integration: Integrated automation solutions with various third-party tools and services, streamlining data flow between systems and enabling seamless, end-to-end automation across the organization.

Security and Compliance: Developed automation protocols with a strong focus on security and compliance, ensuring that automated workflows adhered to industry standards and regulatory requirements.

RouletteAid
Software Engineer
July 2022 - September 2023 (1 year 3 months)
Spain

Led the development of Roulette Aid, an advanced desktop application predicting roulette outcomes with machine learning. Integrated real-time data processing, backend APIs, and secure database management, boosting user engagement 5x and significantly increasing revenue.

Designed a scalable backend with FastAPI for low-latency interactions between the desktop client and server. Created an API-first architecture for secure, efficient data exchange, achieving an average response time of 20ms.

Developed a secure, fault-tolerant SQL database for real-time data ingestion and storage of historical outcomes. Applied advanced indexing and caching for high-speed queries and data integrity during peak traffic.

Built models achieving over 80% prediction accuracy for roulette outcomes. Utilized scikit-learn and TensorFlow for real-time data preprocessing, training, and hyperparameter optimization. Implemented continuous monitoring and re-training to adapt to new patterns.

Used code obfuscation and encryption to protect proprietary algorithms from reverse engineering and secure model data and computations.

Engineered the system for horizontal scalability with multi-threaded processing, reducing computation time by 60%. Developed data processing pipelines for handling large-scale data analysis and predictions in real-time.

Implemented OAuth 2.0 for secure authentication and role-based access control. Developed encryption protocols for user data and communication, maintaining high security standards.

Integrated a CI/CD pipeline for consistent updates. Developed unit and integration tests for machine learning models and backend systems, reducing downtime and production issues.

Version Control & Licensing Systems: Created a flexible licensing system for managing access and updates, utilizing FTP servers for secure distribution. Automated patch management to minimize user disruption.

Fiverr
Freelance Software Engineer
March 2020 - April 2023 (3 years 2 months)
Nigeria

GreatSomme Inc
Software Engineer
March 2021 - November 2022 (1 year 9 months)
Lagos, Lagos State, Nigeria

• Developed and maintained a comprehensive web application for a school using Django, enabling seamless access for students, teachers, and parents.

• Implemented functionality for teachers to assign, review, and grade assignments, enhancing the educational experience and streamlining administrative tasks.

• Created robust student profiles that track performance across subjects and topics, providing valuable insights for students and parents.

• Integrated a library management system, allowing students to access book resources and other educational materials efficiently.

• Designed and developed a super admin interface for the head teacher, ensuring secure and efficient management of the entire school system.

FavouriteDoctor
Data Scientist
May 2021 - July 2021 (3 months)
Akure, Ondo, Nigeria

Analyzed medical data and provided actionable insights to improve service efficiency.

Education

Federal University of Technology Akure
B.Tech, Statistics · (2018 - 2024)