

Anais Landry Siewe

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Objective

Experienced Software and Cloud Engineer with a proven track record of leading and executing complex projects from conception to deployment. Adept at designing and implementing robust and scalable APIs, managing database operations, and working within a microservice architecture to ensure seamless integration and high performance. Skilled in developing Single Sign-On solutions and maintaining high standards of security and efficiency in all projects. Experienced in DevOps practices, including CI/CD pipeline implementation, containerization, and infrastructure as code. Proficient in managing and optimizing cloud environments, particularly AWS, to enhance application performance and scalability. I am seeking a challenging role where I can leverage my expertise in software engineering, cloud solutions, and DevOps practices to contribute to innovative projects and collaborate with dynamic teams.

Summary of Qualifications

- Proficient in full-stack software development, including back-end technologies.
- Proficient in designing and implementing CI/CD pipelines using Jenkins, and GitLab CI, Github Actions.
- Strong experience with programming languages such as C#, JavaScript, Python, C++, Java and PHP.
- Develop RESTful APIs, integrate third-party services, and ensure seamless data flow within applications.
- Expertise in infrastructure as code (IaC) using Terraform and CloudFormation.
- Strong experience with containerization and orchestration tools, including Docker and Kubernetes.
- Extensive knowledge of cloud services, particularly AWS.
- Proven ability to set up monitoring and logging solutions (Prometheus, ELK stack) for proactive system health monitoring.
- Implement unit tests and participate in integration testing to ensure the reliability of software products.
- Troubleshoot and resolve software defects, addressing critical issues promptly to minimize downtime.
- Maintain documentation for codebase, APIs, and deployment processes.
- Continuously stay updated with industry trends and emerging technologies.

Professional Experience

Digital.ai

Software Engineer | Remote

Raleigh, North Carolina

Dec 2023 to Jun 2024

- Developed APIs using ASP.Net Core 6: Designed and implemented robust and scalable APIs for various applications, ensuring high performance and security.
- Utilized Entity Framework and Microsoft SQL Server: Managed database operations and ensured efficient data handling and storage within the APIs.
- Maintained and enhanced CI/CD pipelines: Reduced deployment times by using Jenkins and Gitlab CI.
- Conducted regular security audits and implemented security best practices.
- Implemented Ocelot as API Gateway: Used Ocelot to manage and route API requests, ensuring secure and efficient communication between microservices.
- Conducted code reviews, identified and rectified issues, and mentored junior developers to improve code quality.
- Worked on containerization using Docker and orchestrated deployments with Kubernetes, facilitating better resource utilization and scalability.
- Implemented Identity Server for OpenID SSO: Developed Single Sign-On (SSO) solutions using Identity Server, enabling secure and seamless authentication across multiple applications.

- Collaborated with cross-functional teams: Worked closely with frontend developers, project managers, and other stakeholders to deliver seamless integration of APIs with other system components.
- Troubleshooting and debugging: Identified and resolved issues efficiently, improving the overall reliability of the applications.
- Developed and maintained frontend applications using React.JS: Created dynamic and responsive user interfaces, ensuring a seamless user experience.
- Implemented server-side rendering and static site generation using Next.JS: Improved application performance and SEO, providing a better user experience.
- Integrated APIs with React.JS and Next.JS applications: Ensured smooth data flow between the frontend and backend systems.
- Optimized frontend performance: Leveraged techniques like code splitting, lazy loading, and client-side caching to enhance the speed and efficiency of web applications.
- Collaborated closely with backend teams: Ensured seamless integration and consistency between frontend and backend components.

Emerline

Cloud Engineer | Remote

Miami, Florida

Feb 2023 to Oct 2023

- Played a key role in the migration of on-premises applications to the cloud (AWS).
- Implemented version control using Git, improving code collaboration and tracking special projects relating to analytics, reporting, and communications.
- Maintained and enhanced CI/CD pipelines, reducing deployment times by using Jenkins and Gitlab CI.
- Conducted regular security audits and implemented security best practices.
- Manage infrastructure as code (IaC) using Terraform, automating the provisioning and scaling of resources.
- Conduct code reviews, identify and rectify issues, and mentor junior developers to improve code quality.
- Worked on containerization using Docker and orchestrated deployments with Kubernetes, facilitating better resource utilization and scalability...
- Assisted in the creation of a disaster recovery plan, ensuring data integrity and system availability.
- Collaborated with cross-functional teams to promote DevOps culture and practices.
- Implemented monitoring and alerting solutions (Prometheus and Grafana) to ensure optimal performance and availability of applications
- Collaborated with security teams to conduct regular penetration testing, ensuring the infrastructure's robustness against potential threats.
- Collaborated with development teams to implement feature flags and canary deployment strategies, enabling safe and gradual feature rollouts.

Allianz US

Cloud Engineer | Remote

Minneapolis, Minnesota

Aug 2021 to Jan 2023

- Developed and maintained CI/CD pipelines using Jenkins for a portfolio of web applications.
- Collaborated on the development of Infrastructure as Code (IaC) templates using Terraform to provision Docker infrastructure on AWS.
- Spearheaded the migration of monolithic applications to microservices architecture, resulting in improved scalability and reduced time-to-market.
- Led efforts to improve code quality through code reviews and CI/CD pipeline enhancements.
- Documented best practices and standard operating procedures for DevOps processes.
- Led the implementation of OpenID Connect (OIDC) for single sign-on (SSO) authentication across multiple services, enhancing user experience and security.
- Implemented Docker containers to encapsulate microservices, enabling seamless deployment and scaling

of individual components.

- Established and maintained comprehensive monitoring and alerting systems to ensure system health.
- Automated server provisioning and configuration management with Ansible, improving system stability and reliability.

American Building Management

Software Engineer | Remote

Minneapolis, Minnesota

Aug 2017 to Feb 2021

- Lead a team of developers in architecting and developing a mission-critical C# and ASP.NET web application.
- Design and implement scalable back-end services and APIs using ASP.NET Core and C#. Identified and developed relationships with key stakeholders.
- Design and implement scalable back-end services and APIs Using PHP and Laravel.
- Maintained and enhanced CI/CD pipelines, reducing deployment times.
- Optimize database schemas and queries, improving query performance by 50%.
- Implemented Docker containers to encapsulate microservices, enabling seamless deployment and scaling of individual components.
- Orchestrated containerized applications using Docker Compose for local development environments, ensuring consistency between development and production setups.
- Led the implementation of OpenID Connect (OIDC) for single sign-on (SSO) authentication across multiple services, enhancing user experience and security.
- Implement unit and integration testing, ensuring the reliability and stability of the application.
- Designed and implemented reusable libraries and components, reducing development time by 30%.

Allianz Cameroon

DevOps Engineer | Remote

Douala, Cameroon

Feb 2016 to Aug 2016

- Lead a team of developers in architecting and developing a mission-critical C# and ASP.NET web application.
- Design and implement scalable Back-End services and APIs using ASP.NET Core and C#. Identified and developed relationships with key stakeholders.
- Maintained and enhanced CI/CD pipelines, reducing deployment times.
- Implement unit and integration testing, ensuring the reliability and stability of the application.
- Designed and implemented reusable libraries and components, reducing development time by 30%.
- Orchestrated the migration of legacy applications to microservices architecture, improving development agility and scalability.
- Developed and maintained single-page applications using AngularJS: Created dynamic and responsive user interfaces, ensuring a smooth user experience.
- Integrated AngularJS applications with RESTful APIs: Ensured efficient communication between the frontend and backend systems.
- Optimized AngularJS application performance: Used techniques such as lazy loading, AOT compilation, and efficient data binding to enhance speed and responsiveness.
- Optimize database schemas and queries, improving query performance by 50%.
- Implemented Docker containers to encapsulate microservices, enabling seamless deployment and scaling of individual components.

Education

Master's Degree in Computer Science, University of Yaounde I (Yaounde, Cameroon) - 2017

Bachelor of Science in Computer Science, University of Yaounde I (Yaounde, Cameroon) - 2015

Certification

- **AWS Certified SysOps Administrator – Associate** => [See](#)
- **AWS Certified Developer – Associate** => [See](#)
- **AWS Certified Solutions Architect – Associate** => [See](#)
- **IBM DevOps Essentials** => [See](#)

Skills

- **Scripting and Programming:** PowerShell, Bash, C# (ASP.Net), C(SDL), C++ (QT, SFML), Java (Spring Boot, Hibernate), JavaScript (React.JS, Angular.JS, Vue.JS), PHP (Laravel, Symfony), HTML5, CSS3, JSON, YAML.
- **Cloud:** Amazon Web Services (AWS), Microsoft Azure.
- **Operating Systems:** Linux (Ubuntu, Centos, Fedora), Windows Servers and WS, MacOS.
- **Virtualization Tools:** VMware Platform, Citrix XenServer, Hyper-V, Oracle VirtualBox.
- **User authentication:** Active Directory, Open LDAP, OpenID Connect.
- **Patching and Provisioning:** Ansible.
- **Infrastructure as Code:** AWS CloudFormation, Terraform, Ansible, Puppet, Chef.
- **CI/CD:** Jenkins, Gitlab CICD, GitHub Actions,
- **Databases:** MySQL, PostgreSQL, Microsoft SQL Server, MongoDB, MariaDB, Oracle.
- **Containerization and Orchestration:** Docker, Kubernetes, Docker Swarm.
- **Code Versioning:** Git, AWS CodeCommit, GitHub, Gitlab, BitBucket.
- **Monitoring:** Prometheus, Grafana, Nagios, Zabbix, Datadog, Splunk, SolarWinds.
- **Build Tools:** Maven, Gradle, MINGW, ASP.Net.
- **Servers:** Apache HTTP Server (Apache), Nginx, IIS, Tomcat.
- **Hardware Troubleshooting:** Rack and Stack, build servers, iLO, iDRAC, KVM, RAID.
- **Disk Storage Management:** SAN, NAS, DAS, RAID, LVM, NFS, RDM.
- **Collaboration Tools:** Jira, Trello, Confluence, Slack.

Languages

- **French:** Native or Bilingual
- **English:** Professional Working