Benjamin Andoh

Software / Cloud Engineer

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PROFESSIONAL SUMMARY

Experienced backend developer with 5+ years of expertise in designing and building microservices, APIs, and scalable web applications. Proficient in leveraging emerging technologies to deliver innovative software solutions. Skilled in developing RESTful and GraphQL APIs, implementing third-party integrations, and driving efficiency through Cloud DevOps practices. Adept at Agile/Scrum methodologies, ensuring collaboration and timely delivery of high-quality projects.

KEY SKILLS

- **Programming languages**: Python (5+ys), JavaScript (5ys), Java (5ys), PHP(5+yrs)
- **Frameworks**: Django, Saleor, Laravel, Spryker, SpringBoot, Vue, React
- **Databases**: MySQL, PostgreSQL, Oracle DB
- **Tools**: Git, Docker, Jira, AWS, CircleCI, Sentry, Linx
- **Security**: Networking security, Security software, OAuth2
- **Others**: RESTful APIs, GraphQL, Test Driven Development (TDD), Object Oriented Programming
- **Soft skills**: Collaboration, time management & leadership

PROFESSIONAL EXPERIENCE

Software FullStack Developer (Volunteer), - Reboot Canada
December 2024 - Present
- Spearheaded the development of a robust inventory management system using **Django**, streamlining the tracking of incoming and outgoing inventory.
- Enhancing operational efficiency by integrating advanced search and filtering capabilities, improving inventory visibility and reducing processing time.
- Contributing to increased productivity by automating uploading Excel sheets workflows and enabling real-time inventory updates across multiple locations.

Team Lead, Backend Engineer – MeshLabs
July 2023 – November 2023
- Developed and deployed a robust shift-tracking system using the **SpringBoot** framework, enabling real-time shift scheduling, notifications, overtime tracking, and availability management. This resulted in a 100% employee attendance rate and a 40% improvement in HR and finance operational efficiency.
- Engineered a fully-featured **e-commerce platform** using Saleor and React, incorporating seamless sign-up options (email, phone, social media), multi-checkout processes, order tracking, and API integrations for payment and delivery. These enhancements tripled user engagement and conversion rates, achieving a 200% growth in monthly sales.
- Strengthened security and user trust by implementing one-time-password (OTP) and two-factor authentication (2FA) across all company SaaS applications, reducing the risk of security breaches to near zero and enhancing compliance with industry security standards.

Cloud DevOps Engineer – AmaliTech
December 2022 – March 2023
- Architected, developed, and managed a scalable Document Management System (DMS) leveraging AWS services, including EC2, S3, CloudFront, VPCs, ELBs, and RDS, orchestrated with CloudFormation. This solution reduced manual provisioning errors by 90% and standardized infrastructure deployment, increasing system reliability and uptime
- Streamlined software delivery by automating CI/CD pipelines with Jenkins, GitHub Actions, and CircleCI, accelerating release cycles by 50% and ensuring seamless deployment with zero downtime.
- Enhanced system observability by implementing robust monitoring and logging frameworks with Prometheus and Grafana, integrating alerts with Slack and Gmail. This reduced incident response times by 70%, enabling proactive issue resolution.

Backend Developer - AmaliTech
July 2019 – Dec 2022
- Leveraged a Test-Driven Development (TDD) strategy to build a scalable enterprise resource planning (ERP) microservices application with **Laravel**, incorporating unit testing, linting, and SonarQube bug tracking to achieve 95% code coverage and maintain software reliability and stability.
- Trained and mentored a team of junior developers, conducting code reviews to uphold clean coding standards and foster best practices in software design, leading to a 20% reduction in code review cycles over six months.
- Collaborated with cross-functional teams, including UI/UX designers, front-end developers, and key stakeholders, to gather and document technical and business requirements, ensuring seamless integration of modules into a robust ERP system that improved operational efficiency by 30%.

Web Developer - AITI-KACE
July 2018 – Dec 2019
- Integrated external APIs into **Laravel-React-based applications**, including payment gateways like Stripe, social login systems (Google, LinkedIn), and OAuth2 protocols, enhancing application security and user experience by streamlining authentication and transactions.
- Performed comprehensive code reviews and implemented debugging best practices, reducing software bugs by 30% and ensuring adherence to clean coding standards, resulting in a more stable and maintainable codebase
- Developed and deployed a real-time chat application using Laravel and WebSocket technologies, enabling seamless customer communication through the web and increasing customer support efficiency by 40%.
- Streamlined project management and version control using Git and Agile methodologies, fostering effective team collaboration and achieving a 25% faster sprint completion rate.

EDUCATION

- **BSc. Metallurgical Engineering,** Kwame Nkrumah University of Science & Technology – **September 2013 - July 2017**

CERTIFICATION

- Nanodegree Cloud DevOps Engineer – Udacity, **March 2023**
- Digital/IT Skill Training – AmaliTech, **June 2020**

SOCIAL HANDLES

- LinkedIn: https://www.linkedin.com/in/benjamin-andoh/
- Github: https://github.com/benjamin-andoh/
- Portfolio: https://benjaminandoh.pythonanywhere.com