

Nanribet Fwangje

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PROFILE

Motivated Computer Science student with four years of hands-on experience in software development and a keen interest in DevOps. I thrive on solving complex challenges by blending my technical skills with my business insight to positively impact society, enabling me to think strategically and communicate effectively. Known for my quick learning and collaborative spirit, I am dedicated to building meaningful solutions that enhance efficiency and inspire those around me. I'm excited to contribute to innovative projects that make a real impact in the tech world.

EDUCATION

University of Alberta

Sep 2021 – Jun 2026

Bachelor of Science Computing Science Specialization

Minor: Business

GPA: 3.8/4.0

Relevant courses:

- Software Engineering: Java, Agile, MVC, SDLC, Design patterns, Unit testing
- Web Architecture: Django, REST, JavaScript, AJAX/XHR
- Machine Learning: Regression, classification, dimensionality reduction, neural network
- Operating Systems: Linux, Bash, C/C++, Windows/Linux Administration
- Database management: MongoDB, SQL, Python

SKILLS

Programming Languages: Python, Java, C/C++, JavaScript, Kotlin, SQL, XML, RISC-V assembly

Developer Tools & Frameworks: Git, Bash, MySQL, MongoDB, Django, Flask, React, Node.js, NumPy, Scikit-learn

Data Analysis & Visualization: Power BI, Excel, Tableau

Technical Skills: Unit/API Testing, SaaS & Cloud-based technologies (GCP, AWS), Data structures, logic & algorithms, CI/CD, Agile methodologies, REST APIs

Software Development: Object-Oriented Programming (OOP), Web & Mobile App Development, Cloud-Native (Serverless, Microservices, Infrastructure as Code), Database Management (SQL, MongoDB), Agile & Scrum, Test-Driven Development (TDD), Scripting, Agile delivery

Soft Skills: Strong problem-solving and analytical thinking, adept at debugging and optimizing performance.

Effective communication skills, able to explain technical concepts to diverse stakeholders.

Adaptable and quick learner, thriving in fast-paced, technology-driven environments.

Proven ability to work in cross-functional Agile teams, meeting tight deadlines and business objectives.

PROFESSIONAL EXPERIENCE / PROJECTS

Cloud Computing Project Experience | AWS, Docker, Lambda, API Gateway, Git

Jan 2025 – Mar 2025

- Built a serverless AWS application to automate trade signals from a Pine Script Strategy, reducing trade latency by 40% through API-triggered workflows, solving real-time inefficiencies in trading.
- Led Docker containerization and Lambda deployment, cutting DevOps setup time by 30% via automated infrastructure.
- Integrated CI/CD pipelines (GitHub Actions) and Agile iterations to ensure rapid, scalable delivery—learning adaptability in merging DevOps practices with cloud development.

Machine Learning Model Exploration | Python, NumPy, Scikit-learn

Sep 2024 – Dec 2024

- Trained and optimized machine learning models, improving predictive performance through feature selection and cross-validation.
- Gained experience in data ingestion, transformation, and model deployment.

Full-Stack Development: Distributed Social Media Platform | JavaScript, Django, Heroku, RESTful APIs

Group Project

Sep 2024 – Dec 2024

- Built a microservices-based platform with RESTful API design to enable communication across distributed nodes.
- Led end-to-end API integration and CI/CD pipelines, reducing deployment errors by 25% through automated testing.
- Collaborated with cross-functional teams to refine features iteratively, aligning technical specs with user feedback.

Web Scraping Automation & Data Management | Python, SQL, Selenium, GCP

Feb 2024 – May 2024

- Developed a Python-based scripting solution using multiprocessing, boosting data extraction efficiency by 140% and integrating GCP for scalable storage.
- Implemented error detection and privacy measures, ensuring secure data handling and demonstrating strong scripting skills.

Secure User Login Database System | Python, Flask, SQLite, and MongoDB

- Engineered secure database login systems showcasing strong backend development skills and a commitment to system security.
- Improved team collaboration and project management to deliver robust backend solutions on time.

Agile-Driven Event Management App | Java, Firebase, RESTful API frameworks

Group Project

Jan 2024 – Apr 2024

- Managed end-to-end development of a multi-role user applications with distinct roles: admin, organizer, and attendee.
- Demonstrated rapid learning by adapting Firebase for real-time security updates, enhancing team collaboration.

Language Mobile App | Kotlin, SQLite, Firebase, RESTful APIs

Individual Project

May 2024 – Sep 2024

- Led the development of a language app with SQLite for offline access, ensuring 101% uptime in low-connectivity scenarios.
- Adapted Kotlin and Firebase within 3 weeks, demonstrating rapid learning to meet tight deadlines

Culinary Exploration Website

- Developed a comprehensive understanding of web development by creating a user-friendly recipe suggestion website from scratch, utilizing HTML, CSS, and JavaScript.
- Implemented an interactive platform to simplify the decision-making process for meal choices, seamlessly incorporating external data through APIs, and suggesting diverse meals with each page refresh.
- Leveraged comprehensive expertise in APIs, Software Development Life Cycle (SDLC), and a nuanced understanding of web technologies and related tools to optimize project outcomes.
- Reduced stress for users by enhancing culinary exploration and meal planning.

EXTRACURRICULAR ACTIVITIES

NAT Software Development Team (NeurAlbertaTech)

September – April (Seasonal) - Edmonton, AB

- Contributed to neurotechnology software development, engaging in Agile teamwork and technical discussions.
- Strengthened leadership and project management skills by coordinating technical initiatives.

Business Finance Association (BFA) - University of Alberta

- Collaborated with finance majors to develop AI/ML solutions, winning first place for analytical problem-solving, judged by industry professionals from AIMCO and Auspice Capital Advisors.
- Enhanced problem-solving and adaptability through data-driven decision-making in finance-related projects.

University of Alberta Public Speaking Club

- Developed strong communication skills by delivering Impromptu presentations on technical topics, enhancing my ability to convey complex ideas clearly and effectively to diverse audiences.
- Participated in events focused on persuasive speaking and active listening, fostering collaboration and teamwork in group settings.
- Engaged in constructive feedback sessions, which honed my ability to give and receive feedback.

CERTIFICATIONS

AWS Introduction to Containers: Gained hands-on experience with CI/CD pipelines using AWS CodeCommit, CodeBuild, CodeDeploy, and CodePipeline, enabling rapid and reliable software delivery.

AWS Getting Started with DevOps: Understanding the fundamental importance of Cloud DevOps from Traditional development cycle

AWS Getting Started with EKS Anywhere: Understanding Kubernetes Cluster Management (EKS cluster creation, node groups, autoscaling), AWS Integrations (VPC networking, IAM roles, ECR for container images)

AWS Getting Started with ECS: Learnt Containerization (Docker, Task Definitions), ECR Integration, Monitoring & Logging (CloudWatch, X-Ray)

AWS Lambda Foundations: Understanding Serverless Application Model (SAM), Event-Driven Architectures, IAM & Lambda Permissions Management, Lambda Security & Secrets Management, CI/CD Automation (CodeBuild, CodeDeploy, CodePipeline)