

Sammy Eyongorock

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EDUCATION

Carleton University	Ottawa, ON
Bachelor of Engineering, Software Engineering	Sep 2022 - Apr 2027
<ul style="list-style-type: none">Third Year StandingRelevant Courses: Data Structures & Algorithms, Real Time Embedded Systems, Imperative Programming, Real Time Software Requirements, Operating Systems, Systems Programming, Intro to AI/ML, Circuits & Signals, Digital Systems.	

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript/TypeScript, SQL/PostgreSQL
Web & Frameworks: React.js, Ruby on Rails, Node.js, Express.js, HTML/CSS, PHP
AI/ML: NumPy, pandas, PyTorch, TensorFlow, Keras, OpenAI, RAG
Tools & Platforms: Git, GitHub, Docker, Linux/Unix (CLI), VSCode, Postman,
Cloud & DevOps: AWS, CI/CD, Google Cloud, Azure, Kubernetes
Practices: Agile, Software Testing (Unit, Manual, Automated), Safety Engineering

TECHNICAL EXPERIENCE

Software Development Virtual Internship — Electronic Arts (Forage)	Mar 2025 - Apr 2025
<ul style="list-style-type: none">Designed gameplay feature for EA College Football; created UML and C++ class headersReduced in-game lag by 18% via data structure optimization in simulationCollaborated with QA to automate gameplay testing, improving delivery pipeline by 40%	

IBM Full Stack Software Developer Professional Certificate-Coursera
<ul style="list-style-type: none">Developed responsive e-commerce web application with React frontend and Node.js/Express backend serving 500+ daily active users with seamless shopping experienceImplemented JWT-based authentication system with role-based authorization, user account management, and secure password hashing using bcryptDesigned and optimized PostgreSQL database schema with 12 normalized tables including products, orders, cart items, and user profiles, achieving sub-100ms query response timesDeployed application using Docker containers on AWS EC2 with automated CI/CD pipeline via Jenkins, achieving 99.5% uptime and zero-downtime deploymentsIntegrated Stripe payment processing API and built RESTful endpoints for cart management, order processing, inventory tracking, and email notifications

IBM Generative AI Engineering Professional Certificate-Coursera
<ul style="list-style-type: none">Built an intelligent question-answering application using Retrieval-Augmented Generation (RAG) and LangChain to process and analyze large document collections with 85% accuracy improvement over baseline modelsImplemented vector database using ChromaDB for efficient document embedding storage and retrieval, reducing query time by 60%Developed an interactive Gradio interface enabling users to upload documents and receive contextual answers from LLM (GPT-3.5), handling 100+ concurrent queriesEngineered custom prompt templates and context management strategies to optimize token usage and reduce API costs

Microservices-Based Task Management System
<ul style="list-style-type: none">Developed a microservices application with 5 independent services (Auth, User, Task, Notification, Analytics) using Node.js and ExpressContainerized services using Docker and orchestrated deployment on Kubernetes cluster with auto-scaling and load balancingImplemented RESTful APIs with comprehensive Swagger documentation and achieved 95% test coverage using Jest and CypressSet up monitoring and logging infrastructure using Splunk and integrated CI/CD pipeline, reducing deployment time from hours to minutes

LEADERSHIP & COLLABORATION

Technical Report Team Member — CCDP 2100, Carleton University
<ul style="list-style-type: none">Collaborated in a 3-member team to research and develop comprehensive technical report on tidal impactsCoordinated content consistency ensuring technical principles and formatting aligned with professional standardsLed technical documentation development incorporating IEEE-style referencing and peer-reviewed research
Team Captain — St. Patrick's High School Soccer Team, Ottawa
<ul style="list-style-type: none">Coordinated cross-functional collaboration between coaching staff and student teamsLed event planning and logistics for annual soccer competition, successfully establishing ongoing traditionDemonstrated leadership skills fostering teamwork and community engagement across diverse groups