

DANKU KENNEDY EDEM

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DANKU KENNEDY EDEM

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Portfolio: <https://dankukennedy.github.io/portfolio/>

LinkedIn: <https://linkedin.com/in/kennedyedemdanku/>

GitHub: <https://github.com/dankukennedy>

Gravatar: <https://gravatar.com/happilywise8526b101c9>

PROFESSIONAL SUMMARY

Results-driven IT professional with 8+ years of expertise in end-to-end web development, IT infrastructure management, and solving complex technical challenges. Adept at designing, deploying, and optimizing scalable web applications while ensuring robust security and performance.

Skilled at delivering scalable, efficient, and user-friendly IT and software solutions while collaborating effectively with cross-functional teams. Passionate about leveraging technology to drive business growth, enhance security, and improve operational efficiency.

PROFESSIONAL EXPERIENCE

Software Engineer | Full-Stack | IT Professional

Remote / Hybrid Dec 2025 – Present

- Build end-to-end web applications using front-end frameworks, back-end services, and databases
- Architect scalable, secure, and maintainable software solutions.
- Manage CI/CD pipelines, cloud infrastructure, and containerization for reliable delivery.
- Ensure software reliability through automated testing, code reviews, and debugging
- Implement and validate AI/ML models, ensuring performance and reliability.
- Solve complex problems with cross-functional teams and integrate emerging technologies.

Mathematics Instructor

Pinnacle Education Center Oct 2025 – Dec 2025

- Teach foundational mathematical concepts using age-appropriate methods, lesson plans, and teaching aids to make abstract concepts concrete and understandable.
- Foster essential mathematical skills including problem-solving, logical reasoning, critical thinking, and numerical fluency while building students' confidence in applying math to real-world situations.
- Regularly evaluate student understanding through tests, quizzes, and classwork; provide constructive feedback; and identify learning gaps to offer targeted support or enrichment.

- Create a positive, inclusive learning environment that encourages participation, manages classroom behavior effectively, and maintains student motivation through interactive activities and differentiated instruction.

Computing & Mathematics Instructor

GC Preparatory School

Sep 2025 – Oct 2025

- Foster both computational thinking and mathematical reasoning skills, teaching students to approach problems methodically using appropriate tools
- Teach responsible technology use, online safety, and ethical computing practices while promoting collaborative learning through group projects that integrate mathematical and computing skills.
- Evaluate student progress in both mathematical understanding and computing proficiency, providing targeted interventions or enrichment activities based on individual learning needs.
- Utilize educational software, coding platforms, and digital tools to make abstract mathematical concepts tangible while teaching responsible and effective use of technology.

Freelance Full-Stack Web Developer

Remote / Hybrid

Nov 2024 – Sep 2025

- Designed and deployed responsive, custom web applications using React, Laravel, FastAPI, Node.js, WordPress and modern databases such as MySQL, PostgreSQL and MongoDB.
- Developed user-friendly, engaging UI/UX designs with HTML5, CSS3, JavaScript, and frameworks like Bootstrap, Material UI and Tailwind CSS.
- Created and optimized RESTful APIs to ensure secure and efficient data flow between client and server.
- Improved website visibility and user traffic through SEO optimization strategies.
- Provided long-term application maintenance, bug fixes, and performance enhancements.

IT / MIS SUPPORT OFFICER

Commission for Technical and Vocational Education and Training (Accra, Ghana) | Nov 2023 – Nov 2024

- Provided technical support for computer systems, including troubleshooting software and hardware issues.
- Created reports and presentations using Microsoft Office Suite to streamline operations.
- Installed and configured systems, ensuring seamless network connectivity.
- Supported coding tasks and minor web development projects.

INFORMATION TECHNOLOGY MANAGER

NABCO, GIFEC (Ashanti Region, Ghana) | Sep 2018 – Aug 2023

- Oversaw IT operations, including software installation, updates, and configuration.
- Digital Transformation Center (DTC) Training Instructor at Adansi Dompase Community Information Center (CIC)
- Managed website content updates and ensured systems were secure and optimized.
- Implemented cybersecurity protocols, including antivirus management and data protection.
- Resolved technical challenges and ensured systems ran efficiently.

ASSISTANT IT SUPPORT OFFICER

National Service - University of Professional Studies (UPSA, Accra) | Jan 2017 – Aug 2017

- Installed and configured hardware and network systems across campus.
- Assisted faculty and staff with technical troubleshooting and software related queries.
- Maintained campus-wide internet connectivity and conducted security updates.
- Diagnosing and resolving hardware malfunctions, including faulty components like RAM, hard drives, or power supplies
- Setting up desktops, laptops, and peripheral devices like printers,

JUNIOR WEB DEVELOPER

Africa Worldview Limited (AWL, Accra) | Aug 2016 – Jan 2017

- Updated and styled website content for improved visual appeal.
- Created sliders and optimized databases for better site performance.
- Conducted regular security checks and software updates.
- System configuration

EDUCATION

Bachelor of Technology in Computer Technology

Kumasi Technical University (KsTU) | **2021 – 2023**

- **Grade:** First Class

Higher National Diploma in Computer Science

Ho Technical University (HTU) | **2013 – 2016**

- **Grade:** Second Class Upper Division

CERTIFICATES

SCHOOL CERTIFICATES

B. Tech In Computer Technology - Kumasi Technical University (KsTU), Jan 2024

HND In Computer Science - Ho Technical University (HTU), Jun 2017

PROFESSIONAL & OTHER CERTIFICATES

Full Stack Development Internship Program – Edureka, Apr, 2025

IT Service Management – University of Ghana Information
Technology Directorate (UG), Oct, 2024

System Administration – University of Ghana Information
Technology Directorate (UG), Oct, 2024

Network Administration – University of Ghana Information
Technology Directorate (UG), Oct, 2024

Information Security – University of Ghana Information
Technology Directorate (UG), Oct, 2024

Application, Database & Analytics – University of Ghana
Information Technology Directorate (UG), Oct, 2024

Advanced Entrepreneurship Training – Ghana Enterprises Agency
(GEA) Youth
Entrepreneurship & Employment Programme, 2023

Intermediate Entrepreneurship Training – Ghana Enterprises
Agency
(GEA)
Youth Entrepreneurship & Employment Programme, 2023

Basic Entrepreneurship Training – Ghana Enterprises Agency
(GEA) Youth Entrepreneurship & Employment Programme, 2023

CORE COMPETENCIES

- Full lifecycle development of responsive web applications using modern frameworks (React, Laravel, Django)
- RESTful API design and microservices architecture (Node.js, Express, NestJs, FastAPI)
- Cloud-native development and DevOps practices (AWS, Docker, CI/CD pipelines)
- Database architecture and optimization (SQL/NoSQL, caching strategies)
- Enterprise IT infrastructure planning and security hardening

TECHNICAL SKILLS

Programming Languages:

- HTML, CSS, JavaScript, TypeScript, PHP, SQL, Python, C++

Frameworks:

- React, Next.js, Laravel, Node.js, Express.js, Nest.js, FastAPI

Tools & Software:

- VS Code, IntelliJ IDEA, Microsoft Excel, Cursor, Postman, Web Browser

Databases:

- MySQL, PostgreSQL, MongoDB

DevOps & Cloud:

- AWS, Azure, Docker, Kubernetes,

Version Control Platform:

GitHub, GitLab, Bitbucket

OTHER CORE COMPETENCIES

- Problem Solving: Strong troubleshooting and critical thinking abilities.
- Collaboration: Proven ability to work in cross-functional, fast-paced teams.
- Project Management: Skilled at organizing and meeting deadlines.
- Communication: Excellent written and verbal communication skills.
- Adaptability: Quick to learn and implement new technologies.
- Proven ability to lead cross-functional technical initiatives while maintaining focus on scalability, security, and performance
- Adept at translating complex business requirements into elegant technical solutions that drive operational efficiency and competitive advantage.
- Committed to continuous learning and adopting emerging technologies to solve tomorrow's challenges today

VALUE PROPOSITION

- I bridge the gap between business strategy and technical execution, delivering solutions that are not just functionally sound but also strategically aligned with organizational goals.
- My architectural approach emphasizes maintainability, security, and future-readiness while meeting immediate business needs.

LANGUAGES

- **English:** Native
- **Ewe:** Fluent
- **Twí:** Intermediate

REFERENCES

JAMES YIN

IT Manager

Commission for Technical and Vocational Education and
Training (CTVET) Trinity Avenue, GA-416-9945, Accra,
Ghana

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ISAAC FORDJOUR

Human Resource

Adansi North District Assembly

P.O.Box 21, Adansi Fomena Ashanti Region.

Phone: +233 246667389

DAVID ABOAGYE-DARKO

Lecturer

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BISMARCK DZAHENE QUARSHIE

Deputy Director of Information Service & Technology Directorate

University of Professional Studies,

Accra P.O. Box Lg 149, Accra, Ghana.

Phone: +233 244610911



KUMASI TECHNICAL UNIVERSITY

This is to certify that

DANKU, Kennedy Edem

052141350002

Having pursued a prescribed course of study,
and passed the requisite examinations by December, 2023
has been duly admitted by the University to the

Bachelor of Technology

COMPUTER TECHNOLOGY

FIRST CLASS

Given under our authority

19th January, 2024



Vice-Chancellor



00008420

GHANA NATIONAL SERVICE SCHEME



17010250

Certificate of NATIONAL SERVICE

Name **DANKU KENNEDY EDEM**

Institution attended **HO POLYTECHNIC**

Qualification **HND COMPUTER SCIENCE**

NSS Number **NSSGHP122216**

Place of Service **UNIVERSITY OF PROFESSIONAL STUDIES**

Region/District **GREATER ACCRA, LANMMA**

Year/Period of Service **2016/2017**

Having successfully completed his/her mandatory National Service,
has satisfied the requirement of the National Service act 426, 1980,
of the Republic of Ghana and is eligible for engagement in any employment.



Republic of Ghana

*Executive Director
National Service Scheme*



Signed this **25TH** **AUGUST** **17** day of **20**.....
NSSGHP122216104512

**NATIONAL BOARD FOR PROFESSIONAL
AND TECHNICIAN EXAMINATIONS
(NABPTEX) GHANA**



This is to certify that

DANKU, KENNEDY EDEM

having pursued the prescribed programme of studies

HO TECHNICAL UNIVERSITY

at.....

and having passed the prescribed examinations

30th June, 2016

by.....

has been awarded the **HIGHER NATIONAL DIPLOMA** in

COMPUTER SCIENCE

SECOND CLASS UPPER DIVISION

Certificate No **G 0012983**

Candidate No **03130212**



HEAD OF INSTITUTION

EXECUTIVE SECRETARY, NABPTEX

31st August, 2017
Dated the.....day of.....

CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to

Kennedy Edem Danku

for attending

Full Stack Development Internship Program

Demo Session organized by Edureka

5th Apr, 2025

Date



Program Head



UNIVERSITY OF GHANA
INFORMATION TECHNOLOGY
DIRECTORATE

Certificate of Completion

awarded to

Edem Kennedy Danku

For successfully completing a Training in
IT SERVICE MANAGEMENT
on the 25th October, 2024



Director



UNIVERSITY OF GHANA
INFORMATION TECHNOLOGY
DIRECTORATE

Certificate of Completion

awarded to

Danku Kennedy Edem

For successfully completing a Training in
NETWORK ADMINISTRATION
on the 18th October, 2024



Director



UNIVERSITY OF GHANA
INFORMATION TECHNOLOGY
DIRECTORATE

Certificate of Completion

awarded to

Danku Kennedy Edem

For successfully completing a Training in
SYSTEM ADMINISTRATION
on the 11th October, 2024



Director



UNIVERSITY OF GHANA
INFORMATION TECHNOLOGY
DIRECTORATE

Certificate of Completion

awarded to

Danku Kennedy Edem

For successfully completing a Training in
INFORMATION SECURITY
on the 4th October, 2024



Director



UNIVERSITY OF GHANA
INFORMATION TECHNOLOGY
DIRECTORATE

Certificate of Completion

awarded to

Danku Kennedy

For successfully completing a Training in
APPLICATION, DATABASE & ANALYTICS
on the 27th September, 2024



Director

CERTIFICATE OF PARTICIPATION

IS HEREBY AWARDED TO

KENNEDY EDEM DANKU

AS BENEFICIARY OF THE GHANA ENTERPRISES AGENCY (GEA)
YOUTH ENTREPRENEURSHIP & EMPLOYMENT PROGRAMME

GIVEN THIS 11TH DAY OF AUGUST, 20 23



MRS. KOSI YANKEY-AYEH
CEO, Ghana Enterprises Agency



MRS. YVONNE QUANSAH
Director, ERMERD, Ministry of Finance

CERTIFICATE OF PARTICIPATION

IS HEREBY AWARDED TO

KENNEDY EDEM DANKU

AS BENEFICIARY OF THE GHANA ENTERPRISES AGENCY (GEA)
YOUTH ENTREPRENEURSHIP & EMPLOYMENT PROGRAMME

GIVEN THIS 30th DAY OF JUNE, 20 23



MRS. KOSI YANKEY-AYEH
CEO, Ghana Enterprises Agency



MRS. YVONNE QUANSAH
Director, ERMERD, Ministry of Finance

CERTIFICATE OF PARTICIPATION

IS HEREBY AWARDED TO

KENNEDY EDEM DANKU

AS BENEFICIARY OF THE GHANA ENTERPRISES AGENCY (GEA)
YOUTH ENTREPRENEURSHIP & EMPLOYMENT PROGRAMME

GIVEN THIS 2ND DAY OF JUNE, 2023



MRS. KOSI YANKEY-AYEH
CEO, Ghana Enterprises Agency



MRS. YVONNE QUANSAH
Director, ERMERD, Ministry of Finance



HO POLYTECHNIC

COMPUTER SCIENCE DEPARTMENT



Certificate
— of PARTICIPATION —

This is to certify that

DANKU KENNEDY EDEM

participated in

ONE DAY ICT SKILLS DEVELOPMENT SEMINAR

THEME:

**GOOGLE APPLICATIONS, S.M.S GATEWAY
& BUSINESS INTELLIGENT DASHBOARD**

On Friday 6th May, 2016

Google Ghana
(Facilitator)

Ghana Dot Com
(Facilitator)

HOD
(Computer Science Dept.)