

# NATHAN MINYILA

Software Developer and Cybersecurity Advocate

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## PERSONAL INFORMATION

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Nationality: Ghanaian

Gender: Male

Languages: English (Fluent) | Twi (Fluent) | Buli (Conversational) | Kasem (Conversational)

## PROFESSIONAL SUMMARY

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Master's student in Digital Forensics and Cybersecurity at the Ghana Institute of Management and Public Administration, with expertise in software development and a strong dedication to advancing tech policy and digital transformation. Skilled in Python, JavaScript, Swift, and multiple programming languages, I have built innovative and digital solutions to bolster Ghana's tech ecosystem. Passionate about the convergence of technology, governance and policy, I advocate for inclusive and resilient cybersecurity strategies. Eager to contribute technical proficiency, analytical insight and a collaborative approach to drive forward-thinking initiatives that shape a secure and inclusive digital future.

## EDUCATION

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**Ghana Institute of Management and Public Administration, Accra - Ghana** **2024 – Present**  
Master of Science (MSc.) Digital Forensics and Cybersecurity

**Kwame Nkrumah University of Science and Technology, Kumasi - Ghana** **2013 – 2017**  
Bachelor of Science (BSc.) Computer Science

## WORK EXPERIENCE

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**Operations and IT Manager** | Hallmark Investments, Accra - Ghana **2021 – Present**

- Manage the maintenance and optimization of the organization's core IT systems, ensuring alignment with strategic goals and user needs.
- Oversee daily IT operations, including system reliability, cybersecurity and end-user support to maintain uninterrupted business operations.
- Implement process automation initiatives to streamline organizational workflows, enhancing productivity and reducing operational bottlenecks.
- Collaborate with leadership to develop and execute IT and Operational strategies that support long-term business objectives.
- Monitor IT infrastructure performance, implementing upgrades to ensure scalability, security and compliance with industry standards.

**Freelance Software Developer | Remote****2021 – Present**

- Develop and deliver customized mobile and web applications tailored to meet specific client requirements across various industries.
- Lead cross-functional teams to ensure timely project delivery and alignment with client goals and expectations.
- Manage full software development lifecycle, from requirements gathering and UI/UX design to deployment and support.
- Communicate directly with clients to translate business needs into scalable technical solutions.

**Software Consultant | Taylor Crabbe Barristers and Solicitors, Accra - Ghana****2024 – Present**

- Maintain and update the organization's website and in-house applications, ensuring stability, security and up-to-date functionality.
- Provide technical support for internal digital tools, enhancing system performance and user experience.
- Collaborate with internal teams to implement web solutions aligned with organizational needs and branding.
- Design graphics and visual content for digital platforms, supporting marketing and communication efforts.

**Head of IT and Ag. Operations Manager | Maariba Limited, Accra - Ghana****2018 – 2021**

- Oversaw the development, maintenance and support of the organization's core product, ensuring alignment with business goals and user needs.
- Managed daily IT operations, including system performance, security and internal support to maintain operational continuity.
- Built and deployed the iOS applications for the organization's product, ensuring seamless functionality and user experience.
- Collaborated with executive and departmental leadership to align IT strategy with broader organizational objectives.
- Monitored infrastructure performance and implemented improvements to ensure scalability and security compliance.
- Led cross-functional teams to deliver technology-driven solutions that enhanced efficiency and service delivery.

**Applications Developer (NSP) | Students Loan Trust Fund, Accra - Ghana****2017 – 2018**

- Designed, developed, and maintained in-house software applications to support operational needs.
- Collaborated with departments to gather requirements and implement tailored digital solutions.
- Managed and monitored network systems to ensure reliability, security, and performance.
- Provided technical assistance to employees, resolving hardware, software, and network-related issues.

## SKILLS AND COMPETENCIES

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**Programming Languages** | Java, JavaScript, Swift, Python, PHP, Dart

**Frameworks** | React, NodeJS, Django

**Mobile Development** | iOS, Android, Flutter

**Databases** | MySQL, PostgreSQL, MongoDB

**Computer Science Fundamentals** | Data Structures and Algorithms, Software Design and Architecture

**Cybersecurity** | Network Security, Vulnerability Assessment and Penetration Testing, Threat Intelligence

**Creative Tools** | Adobe Photoshop, Video Editing (Filmora, Adobe Premiere, Capcut, Davinci Resolve)

## CERTIFICATIONS

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<b>SECURITY BLUE TEAM:</b>	Introduction to Network Analysis	<b>2024</b>
<b>SECURITY BLUE TEAM:</b>	Introduction to OSINT	<b>2024</b>
<b>SECURITY BLUE TEAM:</b>	Introduction to Dark Web Applications	<b>2024</b>
<b>UDEMY:</b>	Data Structures and Algorithms in Swift	<b>2022</b>
<b>UDEMY:</b>	Data Structures and Algorithms: Deep Dive Using Java	<b>2022</b>
<b>UDEMY:</b>	Java Programming Masterclass covering Java 11 and Java 17	<b>2022</b>
<b>MCPS: Microsoft Certified Professional (MTA: Security Fundamentals)</b>		<b>2014</b>

## VOLUNTEERING AND LEADERSHIP EXPERIENCE

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### Cofounder and Chief Technology Officer (CTO)

**2024 – Present**

Whispa2Me LBG, Accra - Ghana

- Co-founded Whispa2Me, a social enterprise dedicated to supporting individuals living with mental illness, HIV, sexual and physical abuse and social stigma.
- Lead the development and technical management of the organization’s mobile application and website, ensuring accessibility, privacy, and user-friendliness.
- Collaborate with a multidisciplinary team to align technology solutions with advocacy, outreach and support programs.
- Drive innovation and digital strategy to amplify marginalized voices and deliver impactful mental health and social support resources.
- Champion the organization’s mission: “Turning whispers into resounding voices of change”

### Technology Volunteer

**2019 - 2022**

AidFields NGO (Formerly Child 2 School) – Ghana

- Supported AidFields’ mission to empower brilliant children in deprived areas by facilitating educational access through community drives and outreach initiatives.
- Led the development and maintenance of the organization’s website, enhancing user experience and accessibility to promote educational programs and donor engagement.
- Designed compelling graphics and visual content to strengthen AidFields’ branding and communication to increase visibility for fundraising and awareness campaigns.
- Collaborated with cross-functional teams to coordinate activities, ensuring alignment of technical solutions with the NGO’s educational and advocacy goals.
- Contributed to digital strategy, leveraging technology to amplify AidFields’ impact and connect underprivileged students with vital educational resources.

## **PROJECTS AND TECHNICAL CONTRIBUTIONS**

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### **Whispa2Me – Web and Mobile Applications**

Lead the development and technical management of the organization's mobile applications (Android & iOS) and website, ensuring accessibility, privacy, and user-friendliness.

### **Maariba – Web and Mobile Applications**

Contributed to the design and launch of a multi-platform application connecting users with nearby artisans. Responsible for developing the iOS application, complementing the web and Android versions.

### **E-Insure – SaaS Insurance Platform**

Worked in a team to develop a SaaS platform for insurance companies, enabling online policy sales, claims management, and full transaction handling through a streamlined system.

### **GL Eatery iOS App**

Developed an iOS app for a restaurant, enabling customers to browse menus, place orders, and make payments directly through the app.

### **Remote PC Control App**

Developed an Android application that allows users to remotely control a computer over the same local network. The receiver component, built in Java, supported Windows, Linux, and macOS environments.

### **Accra Technical Training Institute Website**

Built and maintained a responsive website showcasing institutional programs, announcements, and activities.

### **Aid Fields NGO Website**

Designed and developed a website for an NGO to display initiatives, accept donations, and attract volunteers and sponsors. Built a backend system for internal management of activities, personnel, and assignments.