

ThiernoMamadou D. Bah (TJ Bah)

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EDUCATION

- University of North Carolina at Charlotte**, *Charlotte North Carolina* Dec 2022
- ▶ Master of Science in **Cybersecurity**; Major in **Secure Software Development** | GPA: 4.0 (4.0 Scale)
 - **Relevant Coursework:** Algorithms & Data Structures, Network Based Application Development, Mobile Application Development, Secure Programming & Penetration Testing, Cloud Data Storage, Foundations of Programming, Usable Security & Privacy, Network Security
 - ▶ Bachelor of Science in **Business Administration**; Major in **Management Information Systems** May 2016
 - **Relevant Coursework:** eBusiness Systems, Data and Information Management, Database Management Systems, Business Programming I & II

SKILLS

Programming, Frameworks & Libraries:

- ▶ Java, Python, JavaScript, Flask, React

Web Development & Design:

- ▶ HTML, CSS, Bootstrap, UI/UX Design, Figma
- ▶ Responsive Web Design, Canva, Midjourney
- ▶ WordPress, Elementor, SEO

Cloud Platforms:

- ▶ AWS, Google Cloud Platform, Firebase, Azure, Office 365

Tools:

- ▶ Docker, Bash, Linux, Git & GitHub, Jira

Other:

- ▶ SDLC, Agile, Unit Testing, OOP, REST API, SQL, MySQL

PROJECTS

- Freelance Junior Mobile Developer @ Upwork Platform Client Project** Remote // Oct 2023 - Present
- ▶ Completed Deliverables
 - Aligned Unit Test patterns for user management by implementing an inheritance-based pattern
 - Migrated an on-premises API endpoint to a GCP function
 - Initialized and configured a new GCP environment for our project
 - Created login page function using pyrebase4, Flask, Firebase Authentication and Firebase Admin SDK
- Android Discount Calculator @ Mobile Application Development Course** Semester - Fall 2022
- ▶ Built a discount calculator application using Java, Android Studio and common Android components.
- openSSL Project @ Applied Cryptography Course** Semester - Fall 2021
- ▶ Set up a cloud linux server on AWS
 - ▶ Installed Apache Web Server with openSSL and created a self-signed SSL certificate for Apache in Ubuntu 20.4
- StrongSwan VPN Project @ Applied Cryptography Course** Semester - Fall 2021
- ▶ Set up a cloud linux server on AWS and set up an IKEv2 VPN Server with StrongSwan on Ubuntu 20.4
- Docker Project @ Cloud Data Storage Course** Semester - Spring 2021
- ▶ Part I: Built a docker container, deployed and updated a sample application
 - ▶ Part II: Completed Docker with Qwiklabs (Intro to Docker, KubernetesEngine: Qwik Start and Orchestrating the Cloud with Kubernetes Labs) Google self paced labs.

EXPERIENCE

- Freelance Software Developer, Web Designer & Webmaster @ TMDBAH, LLC** Remote // Sep 2023 - Present
- ▶ Provide competitive business value through knowledge in information systems, cybersecurity, and secure software development
 - RoyaltyVendingNC.com Oct 2023 - Present
 - Designed, developed, and actively maintain the website for a local vending machine service
 - Built on WordPress, using Elementor, Canva and Midjourney
 - Fully responsive and functions efficiently on desktop, tablet, and mobile devices

IT Help Desk Specialist @ *Securitas Electronic Security*

Charlotte, NC // Jan 2020 - Nov 2023

- ▷ Delivered comprehensive onsite and remote support for various departments, contributing to the success of IT projects in Help Desk, Infrastructure, Networking, and Security.
- ▷ Assisted with the installation and troubleshooting of critical systems such as routers, modems, switches, firewalls, and alarm receivers
- ▷ Installed, configured, and troubleshot enterprise software applications and hardware assets, ensuring optimal system functionality.

Senior IT Support Specialist @ *Iverify Security* **(Acquired by Securitas ES)*

Charlotte, NC // Jan 2018 - Dec 2019

- ▷ Designed, built, and maintained a custom HTML, CSS, and JavaScript Web Application connecting Emergency Monitoring Center agents to company resources, restoring user workflow in response to a Cybersecurity event
- ▷ Provided non-reporting leadership and training to after-hours and weekend IT support staff

COURSERA COURSE CERTIFICATES

Meta Front-End Developer Professional Certificate *in Progress*

(7 of 9 courses completed)

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| ▷ Intro to Front-End Development (Issued May 2023) | ▷ HTML and CSS in depth (Issued July 2023) | ▷ Principle of UX/UI Design (Issued August 2023) |
| ▷ Version Control (Issued June 2023) | ▷ React Basics (Issued July 2023) | ▷ Front-End Developer Capstone (In progress) |
| ▷ Programming with JavaScript (Issue June 2023) | ▷ Advanced React (Issued August 2023) | ▷ Coding Interview Preparation (In progress) |

Meta Back-End Developer Professional Certificate *in Progress*

(3 of 9 courses completed)

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|---|---|--|
| ▷ Intro to Back-End Development (Issued September 2023) | ▷ Intro to Databases for Back-End Development (In progress) | ▷ The Full Stack (Not started) |
| ▷ Programming in Python (Issued October 2023) | ▷ Django Web Framework (Not started) | ▷ Back-End Developer Capstone (Not started) |
| ▷ Version Control (Issued June 2023) | ▷ APIs (In progress) | ▷ Coding Interview Preparation (In progress) |