MATTHEW DINKO

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PERSONAL SUMMARY

I am a junior backend developer with hands-on training in Node.js, Express.js, and MongoDB through Generation Ghana & MEST Africa. Skilled in building RESTful APIs, managing databases, and optimizing backend performance, I am passionate about leveraging analytical thinking and communication skills to solve complex problems and contribute to scalable backend solutions.

Through this training program, I have developed several backend projects, including an Ecommerce API, a Note-Taking API, and a Music API as individual projects. Additionally, I have collaborated with a team of junior frontend and backend developers to build a fully functional Library Management System and an Advertisement Web App.

EDUCATION

Generation Ghana & MEST Africa *(Ongoing, 2025)*

- Web Development Training Program (Backend Development Focus).
- Technologies: Node.js, Express.js, MongoDB, Git, REST APIs.

University of Education, Winneba – Ghana *(August 2015 – July 2019)*

- **Bachelor of Arts (Economics Education)**

TECHNICAL SKILLS

- Programming Language: Proficient in **JavaScript (ES6+)**.
- Backend Technologies: Experienced with **Node.js** and **Express.js** for building RESTful APIs.
- Database Management: Skilled in **MongoDB (Mongoose ORM)** and **CRUD operations.**
- **API Development & Testing:** Proficient in **Postman** for API testing and debugging.
- Version Control: Experienced with **Git & GitHub** for collaborative development.
- **Deployment & Cloud Services:** Familiar with **Render** for backend deployment.
- Other Tools: Significant knowledge of **HTML** and **CSS** for frontend integration.

PROJECTS

Team Backend Development Projects

- **Library Management App & Advertisement Web App**

    o Collaborated with a team of junior frontend and backend developers to design and develop RESTful APIs.

    o Implemented **Node.js, Express.js, and MongoDB** for data management and **JWT authentication** for security.

    o Ensured seamless integration with frontend applications and optimized database queries for performance.

    o **Challenges:** Debugging API endpoints, handling authentication, and optimizing query performance.

Individual Backend Projects

- **Music API, Note-Taking API & Ecommerce API**

    o Built and tested RESTful APIs using **Node.js, Express.js, and MongoDB**, with Postman for API testing.

    o Implemented **CRUD operations, authentication (JWT), and error handling** for scalability and security.

    o Deployed projects on **Render**, ensuring real-world usability.

    o **Challenges:** Managing database indexing, optimizing response times, and securing API endpoints.

WORK EXPERIENCE

Bolt Ghana *(September 2022 – January, 2025)*

- **Optimized** navigation and route planning using analytical skills, improving service efficiency.

- **Managed** multiple trip requests daily, ensuring **reliable and scalable** operations.

- **Leveraged** data-driven decision-making to improve customer satisfaction and response times.

Enterprise Life Insurance, Ghana – Life Planner *(May 2021 – October 2021)*

- **Analyzed** client financial data to recommend suitable insurance plans, demonstrating structured problem-solving.
- **Effectively communicated** complex financial concepts, similar to explaining technical documentation.

University of Education, Winneba – Teaching & Research Assistant *(September 2019 – August 2020)*

- **Conducted data-driven research**, compiling reports that required critical thinking and attention to detail.
- **Assisted in structuring academic content**, similar to organizing backend database schemas.

ADDITIONAL SKILLS

- Strong problem-solving and analytical abilities.
- Excellent communication and teamwork skills.
- Adaptability and willingness to learn new technologies.

REFERENCES

Available upon request