Osinachi **Chukwujama**

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Education

Federal University of Technology, Owerri   *Owerri*
MECHANICAL ENGINEERING IN INDUSTRIAL AND PRODUCTION ENGINEERING   *Nov 2017 – August 2023*
GPA: 4.56/5.0 (First Class)

Skills

Programming Languages: PHP, SQL, Python, SQL, Javascript, Typescript, Go
Technologies and Tools: Git, AWS, Azure, Docker, Cypress, Postgresql, Cisco Packet Tracer
Frameworks: Laravel, Lumen, Symphony, Express.js, Nest.js, React.js
Soft Skills: Communication, Presentation, Critical Analysis, Technical Writing, Attention to detail

Work Experience

Patricia Technologies   *Lagos, Nigeria*
FULL-STACK SOFTWARE ENGINEER   *July 2021 – June 2023*
- Implemented and optimized the admin dashboard of the crypto payment management system for the Patricia applications using React.js, Next.js, and TailwindCSS, resulting in an 80% improvement in payment management.
- Wrote and documented CRUD APIs related to customer payments on the Vaunt Laravel application
- Implemented logging and monitoring using Sentry which helped identified bugs in the application, improving uptime by over 25%.
- Increased the security of the payment admin dashboard by 70% by implementing token-based Two-Factor Authentication, ensuring secure access to the payment system.
- Refactored the data fetching layer of the application to use React Query, resulting in a reduction of duplicated code and improved performance.
- Successfully enhanced the frontend resilience of the crypto payment management system by writing component and integration tests using Jest and Playwright, reducing app crashes in production by 90%.
- Reduced runtime bugs in the production environment of the payment management system by porting the JavaScript-based React application to TypeScript, ensuring smoother performance, type-safety and efficient debugging.

Generative CAD Services   *Lagos, Nigeria*
SOFTWARE ENGINEER   *December 2021 – June 2022*
- Developed the landing page, about page, and contact page of the company's website which improved online presence by 80%.
- Authored a learning platform for the company which improved knowledge sharing by 100% using Next.js, Postgresql, Laravel, Redis, and Typescript.
- Built software plugins using WebAssembly that allows viewing of 3D models on the main website frontend which improved user engagement by 60%.
- Worked on the SEO of the main website to increase organic visits by 100% using SEO tools and meta tags.

Esettlement Ltd   *Lagos, Nigeria*
SOFTWARE ENGINEER INTERN   *May 2020 – July 2020*
- Enhanced the performance of the Paycenter admin application by 67% by fixing memory leaks from state transition between pages.
- Add new components such as modals and PDF export to the Paycenter admin app that allowed for easier customer POS application review.
- Revamped the ease of data access for agents of the Paycenter admin app through a backend Microservice built using Nest.js and TypeScript, thereby improving the ease of using the application by 75%.
- Improved the onboarding experience for new developers of the Paycenter admin app by documenting features in the Confluent wiki tool thereby reducing onboarding time by 80%.

Open Source Projects and Technical Articles

Polls-API   *Laravel, PHP, MySQL, Eloquent ORM*
AN API FOR CREATING AND MANAGING POLLS   *https://github.com/vicradon/polls-api*

Proctify

AN AI REMOTE PROCTORING TOOL THAT USED FOR PROCTORING REMOTE ONLINE EXAMS.

YoloV5, Typescript, JavaScript, React.js
http://proctify-frontend.vercel.app/

Network Tools

A COLLECTION OF TOOLS WRITTEN IN PYTHON, JAVASCRIPT, AND RUST FOR DOING NETWORKING-RELATED COMPUTATION.

JavaScript, Python, Rust
https://github.com/vicradon/network-tools

AnonMsg

AN ANONYMOUS MESSAGING APPLICATION THAT PEOPLE CAN USE TO RECEIVE MESSAGES FROM FRIENDS

Next.js, Firebase
https://tbh.ink

Simple Network Configuration with Switches and Routers

THIS IS A TECHNICAL ARTICLE THAT GOES IN-DEPTH TO TALK ABOUT CONFIGURING A SIMPLE NETWORK USING A ROUTER AND SEVERAL SWITCHES. IT DISCUSSES ROUTING, ICMP PINGS, SUBNETTING, AND CIDR.

Cisco Packet Tracer
https://blog.osinachi.me/simple-network-configuration-with-switches-and-routers

How to Configure Router-level DHCP in Cisco Packet Tracer

THIS ARTICLE GOES IN-DEPTH ON THE PROCESS OF CONFIGURING DHCP ON CISCO ROUTERS SO THAT ADMINS CAN HAVE LESS ADMINISTRATIVE TASKS ASSIGNING IP ADDRESSES TO NEW DEVICES JOINING THE NETWORK. IT SHOWCASES THE USE OF SCRIPTING TO AUTOMATE THE PROCESS OF SETTING UP DHCP ON THE ROUTER AND CONFIGURING THE INTERFACES (PORTS) WHERE THE ROUTER CONNECTS TO THE SWTICHES.

Cisco Packet Tracer
https://blog.osinachi.me/how-to-configure-router-level-dhcp-in-cisco-packet-tracer

Certifications

Sept 2020	**Azure Fundamentals (AZ-900)**, Demonstrated proficiency in cloud computing on Azure and solutions built on the cloud, resulting in achieving the Microsoft AZ-900 certification.	*Microsoft*
March 2022	**Azure Data Fundamentals (DP-900)**, Awarded the Microsoft DP-900 certification for demonstrating proficiency in data technologies and tools on Azure.	*Microsoft*
March 2022	**Azure AI Fundamentals (AI-900)**, Awarded the Microsoft Azure AI-900 certification for demonstrating proficiency in the use of AI services on Azure.	*Microsoft*
November, 2023	**Microsoft Certified Azure AI Engineer**, Demonstrated proficiency in administering AI solutions on Microsoft Azure.	*Microsoft*