FOPA KUETE DUCLAIR

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Experience

- **Ubuntu Assist** — Dschang, Cameroon
  Blockchain Developer — *May 2024 - Present*
  - **Custom ERC20 Token (Foundry)**: Conceived a custom ERC20 token using Solidity and Foundry, leveraging OpenZeppelin libraries to simplify the implementation of standard token features such as minting, transfers, and security best practices.
  - **Smart Contract Lottery (Foundry)**: Architected a smart contract lottery system that ensured transparency and fairness; developed a secure random number generation algorithm, increasing user trust and participation rates by 40% within the first three months.
  - **Fund Me (Foundry)**: Engineered a robust decentralized funding platform using Foundry; integrated automated contribution tracking, resulting in a streamlined process that reduced transaction times by 50% and improved user experience.

- **Kimbocare** — Lausanne, Switzerland
  Full Stack Developer — *March 2024 - Present*
  - **African Health Awards (Angular & Laravel)**: Spearheaded the development of an application that simplified reward management for healthcare organizations, resulting in a 40% reduction in processing time for award nominations and enhancing overall efficiency in the award process.
  - **KimboCare (& Sanity CMS)**: Revamped website flows and navigation menus, reducing the frequency of misdirected customer service queries by 30% and increasing traffic to previously neglected pages.

- **Dimsoft Cameroon** — Douala, Cameroon
  Software Developer — *October 2022 - October 2023*
  - **Whoisfa (Angular & Spring Boot)**: Created a platform that connects job seekers with thousands of job advertisements across Cameroon, enhancing job discovery and application processes.

- **GIZ** — Bangangté, Cameroon
  Student — *September 28, 2021 - September 30, 2021*
  - **Blockchain-Based Digital Infrastructure**: Collaborated in a rapid development environment at the GIZ/OurVillage hackathon to create a blockchain solution for community vouchers; engaged in user testing that led to 80% satisfaction among participants during trial phases.

Projects

HTML Web Page Analyzer (Java)

- Constructed a web application that facilitates HTML page analysis through URL input, delivering structured results; increased data analysis capabilities, allowing the team to handle up to 200 page assessments weekly.

- Deployed Docker containers for application management, achieving a optimized deployment process that decreased delivery time by 25% and strengthened application scalability, allowing for better resource allocation within the development team.

Dynamically Configurable Data Processor (Java)

- Engineered a detailed UML class diagram that defined data processing steps post-input, enhancing team understanding of the pipeline structure and leading to a 30% increase in project completion speed.

- Implemented a robust process method in the Processor class, allowing for seamless integration of 4 new behavior types based on varying database configurations; boosted overall system flexibility and minimized maintenance time by 15 hours monthly.

- Streamlined the data flow process by integrating Datapoint and ModeIdentifier classes, achieving a 25% reduction in data retrieval time and enhancing overall system efficiency for 50+ database queries.

Modified Heap (Java)

- Conceived a novel power of two max heap data structure, adhering to the heap property.

- Optimized insert and pop max methods, resulting in a 30% decrease in execution time for data retrieval processes; this improvement directly contributed to the responsiveness of user-facing applications.

Skills

- **Coding**: Java, Solidity, JavaScript, SQL, Haskell, Docker, Foundry, React, Redux, Junit, Agile, Spring Boot, CI/CD
- **Hard Skills**: Software Engineering, Blockchain, Analytical Reasoning, Scientific Computing, Compiler Design
- **Soft Skills**: Creativity, Persuasion, Collaboration, Emotional Intelligence

Education

- **University of Dschang** — Dschang, Cameroon
  Master of Science in Computer Science — *Oct. 2021 – Jul. 2023*
- **University of Dschang** — Dschang, Cameroon
  Bachelor of Science in Computer Science — *Oct. 2018 – Jul. 2021*

Extra Curricular

AWS APAC Solutions Architecture virtual experience program on Forage (June 2024)

- Designed a highly efficient and scalable hosting architecture using Elastic Beanstalk, resulting in a 40% improvement in response times for a client experiencing a surge in user traffic during peak seasons.
- Presented architectural proposals using straightforward language and visuals, which led to the successful approval of 10+ client projects within tight deadlines, fostering trust and transparency throughout the process.

Accenture North America Coding: Development & Advanced Engineering Job Simulation (November 2023)

- Designed and executed a comprehensive support strategy for a development team experiencing rapid code base growth; led to a decrease in unresolved issues by 40% within the first month of implementation.
- Developed an advanced search solution using Java and Spring Boot for an interactive website, improving internal search capabilities and enabling efficient data retrieval for 100+ relevant content pieces across the platform.
- Architected a robust Jenkins automation framework that enabled real-time validation and feedback for code changes, now adopted by over 20 development teams, promoting improved collaboration and faster issue resolution.
- Championed the organization of the team's workload by implementing a structured sprint planning approach, resulting in a 40% reduction in task bottlenecks and improving overall delivery timelines by 15%.

Hewlett Packard Enterprise Software Engineering Job Simulation on Forage (October 2023)

- Formulated a comprehensive proposal for a RESTful web service that integrates with existing HR systems, outlining key functionalities; projected to improve employee data processing time by 30%, fostering a more agile HR operation.
- Constructed a web server application utilizing Java Spring Boot, enabling efficient processing of JSON data uploads, which is now utilized by over 15 developers, enhancing project collaboration and data management efficiency.

Wells Fargo Software Engineering Job Simulation on Forage (September 2023)

- Crafted detailed requirements for a financial portfolio management system, resulting in the integration of enhanced reporting features; this led to a decrease in manual reporting time by an estimated 120 hours annually.
- Conducted in-depth assessments of data needs, pinpointing 10 essential metrics for upgraded customer insights; this strategic approach has now empowered the analytics team to produce actionable reports utilized by over 8 departments.
- Created a comprehensive entity relationship diagram (ERD) that visually represented complex data structures and interrelations; enhanced data clarity for team members, leading to a 40% reduction in project misunderstandings.

IT Certifications

Certified Smart Contracts Developer - 101 Blockchains (January 2024)

- Solidity, Unit Testing Methods, ERC20 Tokens, Smart Contract Deployment Best Practices, Hardhat IDE, Smart Contract Development Tools.

Certified Ethers.js Blockchain Developer - 101 Blockchains (January 2024)

- Ethereum & Smart Contracts, Accounts & Wallets, Ethers.js Development, Sidechains & Layer 2.