



## ABOUT ME

I am a Jomo Kenyatta University of Agriculture and Technology graduate with a BSc in Electronic and Computer Engineering. As a committed electronic and computer engineer, I possess versatile skills, adept leadership, and strong interpersonal abilities. I excel in exceeding expectations through innovative solutions. My tech-savvy and risk-management skills ensure cutting-edge strategies. Adaptable and a quick learner, I thrive in fast-paced environments. I contribute to electronic and computer engineering goals, propelling business success through dedication and technical prowess.

## SKILLS

- FRONT-END TECHNOLOGIES (HTML, CSS, JAVASCRIPT, REACT/ANGULAR/VUE.JS)
- BACK-END DEVELOPMENT (NODE.JS, PYTHON, RUBY, JAVA, DATABASES, RESTFUL APIS)
- CLOUD SERVICES (AWS, GOOGLE CLOUD, MICROSOFT AZURE)
- DEVOPS PRACTICES (CI/CD, CONTAINERIZATION, INFRASTRUCTURE AS CODE)
- AGILE METHODOLOGIES (SCRUM, KANBAN)
- AZURE COSMOS DB DATA MODELING
- PROBLEM-SOLVING AND CRITICAL THINKING

## LINKS

- LINKEDIN:  
<http://www.linkedin.com/in/hemstone-chilluba-410b05218>
- PORTFOLIO:  
[https://hemstonec.github.io/full\\_stack/](https://hemstonec.github.io/full_stack/)
- GITHUB:  
<https://github.com/Hemstonec>

## CERTIFICATIONS

- AWS Certified Developer - Associate
- Microsoft Certified: Azure Developer Associate
- MCSA: Web Applications
- Oracle Certified Professional, Java SE 11 Developer
- MongoDB Certified Developer Associate
- Full Stack Web Development with React Specialization (by The Hong Kong University of Science and Technology on Coursera).
- Certified Entry-Level Python Programmer (PCEP)

## LANGUAGES

- ENGLISH
- SWAHILI

## REFERENCES

- VICTOR KIMARU  
CEO at Bor Systems Limited  
T: +254728969484  
E: victorkimaru09@gmail.com
- EDMOND NGWALA  
CEO at Ngwala Inventions  
T: +255754689034  
E: engwalago@gmail.com
- MR. MESHACK ORONGO KALANGO  
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# HEMSTONE CHILLUBA

ELECTRONIC AND COMPUTER ENGINEER

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914, Nairobi, 00100, Kenya
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## WORK EXPERIENCE

NGWALA INVENTIONS  
Dar Es Salaam  
Jun 2023 - Jan 2024

### FULL STACK DEVELOPER

As a full-stack developer at Ngwala Inventions, I've excelled in the following pivotal areas:

- UI/UX Development:** Spearheading the creation and refinement of user interfaces, ensuring seamless experiences and optimal usability.
- React Expertise:** Leveraging React concepts to craft highly responsive and reusable UI components, enhancing application interactivity and performance.
- Backend Architecture:** Collaborating with cross-functional teams to design and implement robust backend architectures, leveraging Node.js and GraphQL for efficient data management and retrieval.
- Embedded Systems:** proficient in microcontroller programming, hardware integration.
- Programming:** skilled in C++, Java for controlling functionalities.
- Prototyping:** Experienced in hardware testing and performance iteration.
- Technical Troubleshooting:** Hands-on in diagnosing and resolving real-world device issues.
- Documentation:** proficient in technical writing and creating user manuals.
- API Integration:** Integrating REST and GraphQL APIs seamlessly into applications, facilitating smooth communication between frontend and backend systems.
- Testing and Documentation:** Implementing comprehensive testing strategies, including unit, integration, and acceptance testing, and meticulously documenting web application changes for future reference.
- Version Control and Collaboration:** Proficiently utilizing version control systems like Git for efficient code management and collaboration, ensuring project integrity and streamlined development workflows.

BOR SYSTEM LIMITED  
ELDORET  
Jan 2023 - May 2023

### BACKEND DEVELOPER

As a back-end developer at Bor Systems Limited, I've honed expertise in the following pivotal areas:

- Microservices Architecture:** Designing and developing scalable backend systems using microservices architecture paradigm, ensuring flexibility and resilience in handling large-scale applications.
- REST API Development:** Crafting robust and efficient RESTful APIs to facilitate seamless communication between frontend and backend components, enabling smooth data exchange and integration.
- Cloud Infrastructure Mastery:** Leveraging cloud platforms such as AWS, Google Cloud, or Azure to deploy and manage backend services, optimizing performance, scalability, and reliability.
- Database Management:** Demonstrating proficiency in relational databases like MySQL, PostgreSQL, or Oracle, as well as non-relational databases such as Cassandra or DynamoDB, ensuring efficient data storage and retrieval.
- Agile Development:** Excelling in Agile development methodologies, prioritizing tasks, and adapting to evolving project requirements in fast-paced environments, ensuring timely delivery of high-quality software solutions.
- Continuous Integration/Continuous Deployment (CI/CD):** Implementing CI/CD pipelines to automate the software delivery process, ensuring rapid and reliable deployment of backend updates and enhancements.

KENET (KENYA NETWORKING)  
NAIROBI  
Jan 2022 - Jul 2022

### FRONT END DEVELOPER INTERN

As a Front-end Web developer Intern at KENET (Kenya Network), I gained hands-on experience in the following areas:

- Proficient in React.js:** Leveraged React's component-based architecture, hooks, and lifecycle methods to build dynamic and interactive user interfaces efficiently.
- Responsive Design Implementation:** Implemented responsive design principles using HTML5 and CSS3, ensuring seamless user experiences across various devices and screen sizes.
- JavaScript Mastery:** Demonstrated strong command of JavaScript, including ES6+ syntax, asynchronous programming, and modern JavaScript frameworks/libraries, enabling the development of highly functional and performant web applications.
- UI/UX Design Collaboration:** Collaborated closely with design teams to translate design mockups into pixel-perfect and visually appealing front-end interfaces, exhibiting a sound understanding of UI/UX design principles.
- Performance Optimization:** Optimized web application performance by employing techniques like code splitting, lazy loading, and bundle size optimization, resulting in faster load times and improved user engagement.
- Version Control and Collaboration:** Utilized version control systems like Git, facilitating seamless collaboration with cross-functional teams and enabling efficient code management and deployment processes.

## EDUCATION

- JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (JKUAT)  
2022
- TERIGE HIGH SCHOOL  
2015
- ROXY SCHOOL  
2011
- APOSTOLIC FAITH SCHOOL.  
2003

- BSc. ELECTRONIC & COMPUTER ENGINEERING.
- KCSE
- KCPE
- ECD