COKUMU JUNIOR

Software Engineer

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in Cokumu Junior

SUMMARY

Entry-level software engineer with a strong foundation in full-stack web development and technical troubleshooting. Skilled in React, Node.js, PostgreSQL, and MongoDB, with hands-on experience debugging, documenting, and delivering projects in agile environments. Passionate about helping developers succeed by resolving issues efficiently, improving documentation, and contributing to product quality.

PROFESSIONAL EXPERIENCE

Software Development Intern (Bootcamp),   01/2024 – 09/2024 | Nairobi, Kenya
GOMYCODE Kenya

- Delivered 10+ projects spanning front-end and back-end systems, achieving a 97% final project score for a real-time chat app.
- Collaborated in an agile environment with peers on group projects, reducing bug recurrence by 30% through structured code reviews and testing.
- Implemented authentication, real-time features, and responsive design, resulting in faster user interactions and improved usability.
- Contributed to project documentation, ensuring teammates and reviewers had clear troubleshooting and setup guides.

Electrical Engineer Intern,   09/2023 – 12/2023 | Nairobi, Kenya
Ministry of Labour, Electrical Department

- Conducted 20+ system tests and troubleshooting exercises, improving system reliability and reducing downtime by 15%.
- Collaborated with cross-functional teams to analyze technical failures, contributing to more efficient problem resolution.
- Documented findings and procedures, creating 3 technical reports that informed future equipment maintenance.

Telecomm Engineer Intern,   10/2022 – 01/2023 | Nairobi, Kenya
KETRACO ,Telecomm Department

- Supported large-scale telecom infrastructure projects by performing detailed calculations and validations, helping deliver designs within project deadlines.
- Assisted engineers in testing and integration of systems, ensuring compliance with network reliability standards.

EDUCATION

Premaster FIT (Foundations of Information   03/2025 – 08/2025
Technology), *Constructor University Bremen,*
Germany (*Remote*)

- Coursework: Machine Learning, Algorithms & Data Structures, Operating Systems, Discrete Mathematics

Software Development Bootcamp,   01/2024 – 09/2024 | Nairobi, Kenya
GOMYCODE Kenya

• Focused on full-stack web development, including React, Node.js, and MongoDB
• Completed a real-time chat application as the final project, scoring 97% overall

Bachelor of Science in Electrical and   09/2018 – 10/2023 | Nairobi, Kenya
Telecommunication Engineering,
Multi Media University of Kenya

• Relevant coursework: Data Structures, Algorithms, Computer Networks

KEY TECHNICAL COMPETENCIES

- **Languages**: JavaScript, TypeScript, Python, C, SQL
- **Web Development:** React.js, Next.js, Node.js, Express.js
- **Databases:** MongoDB, PostgreSQL
- **Tools & Practices**: Git/GitHub, Agile, Testing, Documentation
- **AI/ML Foundations**: Algorithms, Data Analysis, Mathematical Modeling
- **Other**: Linux CLI (basic), Troubleshooting, Customer Support Mindset

PROJECTS

ChatJyuce, *Real-Time Chat Application | MERN, Socket.io, JWT* 🔗

- Built a secure messaging app with authentication and presence indicators, enabling instant messaging for 50+ simulated users.
- Optimized database queries, improving system response times by ~20%
- GitHub Repo 🔗

Wagwan, *Social Platform | Next.js 13, TypeScript, PostgreSQL* 🔗

- Developed a full-stack platform with authentication, file uploads, and real-time UI updates, supporting smooth interactions for concurrent users.
- Designed scalable database schemas with Prisma ORM, improving query efficiency and data handling.

ADDITIONAL

Languages — English (Fluent), Kiswahili (Native)

Soft Skills — Team collaboration, communication, problem-solving, remote collaboration

Passionate about open-source, developer tools, and continuous learning.