

## JEPTUM BRENDA

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## SUMMARY

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Results-driven Software Engineer with expertise in full-stack development, backend architecture, and data integration. Skilled in building and deploying scalable web applications using Flask, Django, and MERN stack. Strong background in the finance and insurance sector, where I leveraged automation and analytics to improve efficiency and customer experience. Passionate about delivering solutions that combine technical excellence with business impact.

## SKILLS

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- Programming Languages: Python (Flask & Django), JavaScript (Node.js, React, Express.js), HTML, CSS
- Frameworks and Tools: MERN Stack, Bootstrap, Git, Docker, Postman, Zendesk
- Databases: MongoDB, SQL
- Software Development: Full-Stack Development, API Design & Testing, Agile Methodologies
- Business and Data: Data Modeling, Statistical Analysis, Financial Forecasting.
- Other: Project Management, Strategic Planning, Cross-Functional Collaboration.

## WORK EXPERIENCE

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### Backend Engineer Intern – Prokip Africa (Lagos, Nigeria) | Aug 2025 – Present

- Supported Prokip's SME management platform, resolving issues in POS, inventory, and payment integrations.
- Diagnosed API and synchronization issues, reducing downtime and ensuring smooth offline-to-online transitions.
- Collaborated with backend developers and customer success teams, achieving 95%+ user satisfaction.

### Freelance Software Engineer – Nairobi, Kenya | Jun 2023 – Jul 2025

- Designed and deployed full-stack web applications:  
Bright Events – Event management platform enabling 100+ users to organize and track events.  
JengaFit – Fitness tracking app with data visualization (Chart.js).
- Optimized backend services using Node.js & Express.js, cutting response time by 40%.
- Built responsive React UIs with Bootstrap, reducing page load time by 30%.
- Integrated MongoDB for secure data storage and improved query efficiency.

### Student Software Engineer – Africa Leadership Experience (ALX), Nairobi | Nov 2023 – Feb 2025

- Engaged with Programming Resources to improve Software Engineering skills and working with programming languages.
- Worked on collaborative projects applying best practices in API design and software architecture.
- Participated in peer coding sessions to enhance problem-solving and debugging skills.
- Collaborated on debugging issues across team-based projects and conducted peer reviews to resolve technical bugs.

### Underwriting Associate – Innovation & Emerging Consumer Division, Britam Insurance | Sept 2021 – Aug 2022

- Automated manual processes in digital insurance products, improving operational efficiency.
- Collaborated on designing customer-centric insurance products.
- Conducted market research and risk assessment for product development.

#### **Underwriting Associate – Microinsurance Division, Britam Insurance | Sept 2019 – Aug 2021**

- Integrated data analytics into underwriting, improving pricing accuracy.
- Contributed to innovative microinsurance products for underserved markets.
- Supported risk analysis and reporting to enhance decision-making.

### **LEADERSHIP AND VOLUNTEERING**

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#### **Learning Ambassador, ALX Software Engineering Program | March 2023 - May 2024**

- Mentored 14 learners in coding best practices and project development.
- Facilitated code-along sessions to build community knowledge and coding confidence.

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### **EDUCATION**

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#### **Diploma in Cloud Engineering (In Progress) | March 2025 - Present**

AltSchool Africa – Lagos, Nigeria

#### **Bachelor of Science in Actuarial Science | September 2014 – December 2019**

Moi University – Eldoret, Kenya

### **INTERESTS**

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• Women Empowerment	• Regional Development	• Community Learning
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### **LANGUAGES**

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• Kiswahili - Native	• English - Expert	• French - Conversational
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