

## JEPTUM BRENDA

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## SUMMARY

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Results-driven Software Engineer with a strong background in full-stack development and finance/insurance sector. Skilled in building and deploying scalable web applications using Flask(Python) and MERN stack (MongoDB, Express.js, React, Node.js). Strong expertise in backend architecture, performance optimization, and data integration. Proven ability to drive efficiency and customer satisfaction through automation and strategic problem-solving.

## SKILLS

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

## WORK EXPERIENCE

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### Freelance Software Engineer

June 2023 - To date

Freelance – Nairobi, Kenya

- Delivered responsive and interactive user interfaces using React and Bootstrap.
- Built responsive and interactive user interfaces using React and Bootstrap, improving load time by 30%.
- Developed secure and scalable backend services using Node.js and Express.js.
- Created and deployed two full-stack applications:
  - Bright Events – Event management platform..
  - JengaFit – Fitness tracking app with data visualization using Chart.js.
- Integrated MongoDB for secure data storage and optimized query response time by 40%.
- Used Postman to test and troubleshoot RESTful APIs during development and client support phases.
- Documented and updated user guides for deployed platforms to assist non-technical stakeholders.

### Student Software Engineer

November 2023 - February 2025

Africa Leadership Experience(ALX) – Nairobi, Kenya

- 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 General Insurance Company Ltd – Nairobi, Kenya**

**September 2021 - August 2022**

- Automated existing digital products processes to improve customer experience and operational efficiency.
- Collaborated with cross-functional teams to design and launch innovative insurance products tailored to diverse consumer needs.
- Performed market research and risk assessment, enabling the development of targeted solutions in partnerships with insurtechs and other organizations.
- Executed project management plans, overseeing the implementation of new digital products and enhancements.
- Leveraged data analytics to develop and support digital tools and improve user experience across insurance platforms.

**Underwriting Associate/ Microinsurance Division  
Britam General Insurance Company Ltd – Nairobi, Kenya**

**September 2019 - August 2021**

- Increased efficient customer servicing by reviewing all applications for insurance to determine the profiles of risks presented to the company.
- Integrated data analytics into underwriting processes, improving product offerings and supporting business growth.
- Assisted in the betterment of the quality of business by incorporation of data analytics in business data and processes as well as assessment of loss ratio.
- Contributed to the creation of new innovative microinsurance products as the Secretary of the Product Development Committee.

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**VOLUNTEER ACTIVITIES**

**Learning Ambassador, ALX Software Engineering Program**

**March 2023 - May 2024**

- Mentored 14 learners in coding best practices and project development.
- Led peer coding sessions, improving engagement and technical confidence.

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**EDUCATION**

**Moi University – Eldoret, Kenya**  
Bachelor's Degree in Actuarial Science

**September 2014 – December 2019**

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**INTERESTS**

Women Empowerment      Regional Development

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**LANGUAGES**

Kiswahili - Native      English - Expert      French - Conversational