JEPTUM BRENDA

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SUMMARY

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

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

WORK EXPERIENCE

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%.

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.

Underwriting Associate(Innovation)/ Emerging Consumer Division   **September 2021 - August 2022**
Britam General Insurance Company Ltd – Nairobi, Kenya

- 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 insuretechs and other organizations.
- Executed project management plans, overseeing the implementation of new digital products and enhancements.

Underwriting Associate/ Microinsurance Division   **September 2019 - August 2021**
Britam General Insurance Company Ltd – Nairobi, Kenya

- 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.

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.

EDUCATION

Moi University – Eldoret, Kenya   **September 2014 – December 2019**
Bachelor's Degree in Actuarial Science

INTERESTS

Women Empowerment   Regional Development

LANGUAGES

Kiswahili - Native   English - Expert   French - Conversational