

DENNIS GITHINJI

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PROFILE

A highly motivated Software Developer with over 4 years of experience in full-stack development, software maintenance, and IT operations. Proficient in Python, Django, JavaScript, and SQL, with expertise in building scalable applications, secure APIs, and cloud-based solutions. Strong background in database management (MySQL, PostgreSQL, MongoDB), ETL processes, and data modeling. Skilled in cloud platforms (AWS, Azure, Google Cloud), DevOps tools, and containerization (Docker, Kubernetes) to optimize deployment and performance. Passionate about cybersecurity, API security, with knowledge of secure coding practices. A problem solver and team player eager to drive software innovation and security in dynamic development environments.

PROFESSIONAL SUMMARY

- 4+ years of experience in Python development, specializing in APIs, data analysis, and secure applications.
- Skilled in developing, securing, and optimizing APIs for large-scale applications.
- Strong background in data analysis, automation, and reporting using Python (pandas, NumPy), Power BI, and Tableau.
- Proficient in cybersecurity operations, including SIEM tools, IDS/IPS, and vulnerability assessment techniques.
- Deep knowledge of UNIX/Linux environments, cloud platforms (AWS, Heroku), and DevOps tools (Git, Docker).
- Experience in full-stack development using Python (Django), JavaScript, and database technologies (PostgreSQL, SQLite).
- Strong analytical and problem-solving skills, with a proven ability to optimize processes and enhance security in software applications.

- Proficient in machine learning skills, including model development, evaluation, and deployment using tools like scikit-learn, PyTorch, TensorFlow, and Keras.
- Extensive experience with design, debugging operations, reporting, data analysis, and web scraping using Python and its extensions.
- Excellent working experience with Agile (SCRUM).
- Proficient in developing data-driven solutions and clear documentation of code and processes.
- Fluent in conversational and written English, with excellent communication abilities to work successfully with stakeholders and researchers.

WORK EXPERIENCE

klaustechs – Senior Software Engineer

Jan 2024 – Present

- Currently, I am part of an agile team responsible for building dynamic web applications using Python and JavaScript.
- I design and develop custom web applications tailored to client needs, ensuring high functionality and usability.
- I conduct rigorous testing to identify and resolve bugs, ensuring stable and efficient application performance.
- I advise clients on the best technological solutions, tools, and frameworks for their projects.
- I collaborate closely with clients to understand their requirements and provide effective, user-centered solutions.

Turing – Software Engineer (Remote)

June 2021 – December 2023

- Developed and optimized scalable web applications for global clients, implementing secure and efficient APIs using Python and Django, resulting in improved application performance and security.
- Integrated cloud solutions (AWS, Azure) and automated deployment processes, reducing deployment time by 30% and enhancing system reliability.
- Enhanced cybersecurity measures by conducting API security audits, vulnerability assessments, and implementing encryption protocols, ensuring compliance with industry security standards.
- Collaborated with cross-functional teams to analyze client requirements, develop data-driven solutions, and implement interactive dashboards and

analytics tools, leading to a 25% improvement in data accessibility and decision-making.

McKinsey – Research Analyst Internship

2021 (April Cohort - 3 months)

- I was involved in client meetings, interviews, and presentations, learning to understand their needs and challenges.
- I conducted research, analyzed data, and developed insights to support the team's recommendations.
- I participated in brainstorming sessions and worked collaboratively with consultants to develop solutions to complex business problems.
- I assisted in implementing recommendations and ensuring that clients were satisfied with the result.
- I received mentorship from experienced consultants and had opportunities to learn new skills and knowledge.

Sybyl Limited – Software Engineer Intern

2018 (3 months)

- Assisted in full-stack development, working with Python (Django), JavaScript, and React to build and enhance dynamic web applications, improving user experience and performance.
- Developed and optimized RESTful APIs, enabling seamless integration between frontend and backend systems, which improved application efficiency.
- Gained exposure to networking fundamentals, including configuring network devices, troubleshooting connectivity issues, and understanding security protocols.
- Analyzed and visualized large datasets using Python libraries (pandas, NumPy) and Power BI, helping improve decision-making processes.
- Assisted in IT support and system administration, troubleshooting software and hardware issues, and ensuring smooth daily operations.

EDUCATION AND CERTIFICATIONS

- **Master's Degree – Information Technology | Jomo Kenyatta University of Technology | 2024 - Prese**

- **Bachelor's Degree – Information Technology** | Strathmore University | 2021
- **Google Analytics Certification** - Coursera | 2022
- SOC Analyst Certification – TryHackMe - 2023
- **Mackney Forward Program** – 2022

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript
- **Frameworks:** Django, PyJamas, Flask, Jython, Pyramid, CherryPy
- **Version Control:** Git, BitBucket
- **Business Intelligence Tools:** Power BI, DAX, Power Query, Tableau, QlikView.
- **Database Management:** MySQL, MongoDB, PostgreSQL.
- **DevOps:** Version Control (Git), Docker
- **Project Management:** SCRUM
- **Programming Languages:** Python 2.5-2.7/3.4-3.6, C, SQL and PL/SQL.
- **Version Control:** MVC, SVN, CVS, Git, GitHub.

REFERENCES

Will provide details upon request