

ATONG ABRAHAM KUR

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Kampala, Uganda

PROFILE

Passionate software engineer with a solid grasp of software engineering principles and proficient in Java, Python, and C++. Dedicated to driving innovation through collaborative and cutting-edge application development. Committed to continuous learning and delivering impactful contributions to the software industry

EDUCATION

Bachelor of Science in Software Engineering | Makerere University, Kampala, Uganda

August 2022– 2026 (Graduated – Class of 2026)

- Relevant Courses: Machine Learning, Artificial Intelligence, Software Architecture, Database Systems, Web & Mobile App Development, Object-Oriented Programming.
- Final Year Project: "Automated Exam Grading System (AI/ML)" - Developed a platform that evaluates student submissions using a custom AI model and machine learning algorithms to accelerate assessment. Built with Django for the backend and React for the frontend.

Uganda Advanced Certificate of Education (UACE) | Alere Secondary School, Adjumani District, Uganda

February 2019 – December 2020

- Combination: Physics, Chemistry, Mathematics, and ICT (PCM/ICT)
- Obtained 11 points.

WORK EXPERIENCE

Management Trainee – Design & Delivery Unit | Centenary Bank, Kampala, Uganda *Oct 2025 – Present*

- Supported strategic software projects, including E-Wallet Phases (Cash-in/Cash-out, Merchant QR, Micro-lending & CRB Metropol), Mcash Integration, and Kawu Integration.
- Assisted in designing, developing, and maintaining APIs and backend systems using Django/Django REST Framework.
- Contributed to testing, deployment, and optimization of digital banking solutions.
- Skills & Tools: Python, Django, APIs, JSON/XML, Git, PostgreSQL, Agile methodologies

Application Development Intern

PowellPay LTD, Kampala, Uganda

June 2024 – August 2024

- Developed a full-stack student management platform, *Digital Bursar*, enabling efficient school record-keeping and payment tracking.
- Engineered the backend using Node.js and built a cross-platform mobile application with Flutter, integrating Sqflite for offline data caching to ensure performance and data integrity.
- Collaborated with cross-functional teams to gather requirements and deliver a user-friendly solution that streamlined administrative processes.
- **Tech Stack:** Node.js, react js, Flutter, Sqflite, REST APIs.

RESEARCH & PROJECT EXPERIENCE

Automated Exam Grading System (2024)

Final Year Project, Makerere University

- Developed a platform that evaluates student submissions using a custom AI model and machine learning algorithms to accelerate assessment. Built with Django for the backend and React for the frontend.

E-Wallet Integration | Centenary Bank Project

- Designed and developed secure APIs for wallet transactions and financial service integrations using Django REST Framework, supporting digital banking initiatives including cash-in/out operations, merchant QR payments, and micro-lending services.
- Integrated external financial systems with robust error handling and authentication mechanisms to ensure system security and reliability.

Digital Bursar – Student Management System | Internship Project, PowellPay LTD (2024)

- Developed a full-stack student management platform for school record and payment tracking.
- Engineered the backend with Node.js and the mobile application with Flutter, utilizing Sqflite for offline data caching to ensure performance and data integrity.

Inventory Management System | *Personal Project*

- Developed a system using PHP and Laravel to track products, manage stock levels, monitor suppliers, and generate reports.
- Implemented role-based access control and real-time inventory updates for efficient operations.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, Dart, JavaScript, PHP, C++
- **Frameworks & Libraries:** Django, Django REST Framework, Laravel, Flutter, Node.js, React, Vue.js
- **Databases:** MySQL, PostgreSQL, SQLite
- **Tools & Technologies:** Git, GitHub, Linux

CERTIFICATIONS and Awards

- Certificate in Application and Web Development – PowellPay Ltd (2024)
- Certificate of Participation in Bootcamp for Networking, Graphic Design and Programming – Makerere University (2023)

REFERENCES

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