

PASCAL BYABASAIJA

Full-Stack Software Engineer | Python | React

basaijapascal9@gmail.com | +256 788674758 | Ntinda, Kampala, Uganda

Portfolio: byabasaija.com | LinkedIn: <https://www.linkedin.com/in/pascal-byabasaija/>

PROFESSIONAL SUMMARY

Results-driven Full-Stack Engineer with 4+ years of experience delivering scalable web applications and APIs. Specialized in Python, React, and cloud-native solutions. Proven track record in leading engineering teams, improving product performance, and integrating modern DevOps workflows. Passionate about developer tooling and backend architecture. Currently building ChatAPI, an open-source messaging service for startups.

CORE SKILLS

- **Languages & Frameworks:** TypeScript, Python (FastAPI, Flask, Django), React, Next.js, Tailwind CSS
- **Backend:** REST APIs, PostgreSQL, MongoDB
- **DevOps:** Docker, Git, CI/CD, Linux, Traefik
- **Cloud:** DigitalOcean, AWS, Google Cloud Platform, Hetzner
- **Soft Skills:** Agile Development, Project Management, Sprint Planning, Team Leadership, Documentation

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer

Dissimilar Media (formerly Backlink Africa) – Kampala, Uganda | 2024 – Present

- Built and deployed Monetize 54 using Next.js 14, FastAPI, and MongoDB.
- Integrated PayPal, increasing transactions by 20%.
- Engineered in-app messaging, full-text search and recommendation systems, boosting engagement and cross-sell metrics.

- Improved cloud performance by 30% through Docker, CI/CD, and Hetzner orchestration.

Project Lead & Full-Stack Engineer

Mara Scientific – Kampala, Uganda | 2021 – 2024

- Promoted to lead developer team of 6 on Mpeke HMIS project after stepping up to mediate a misunderstanding between a client, sales and engineering teams about the project deliverables.
- Consequently, speeded up feature delivery by 38% and reduced bugs by 30%.
- Developed full-stack features in healthcare applications with React and Flask.
- Collaborated with DevOps for cloud/offline deployments; improved client satisfaction by 20%.
- Implemented code linting and CI practices, reducing bugs and review times.

PROJECTS

ChatAPI (Open Source Messaging & Notification API Service)

GitHub: <https://github.com/Byabasaija/chatapi> | Status: Work in progress

- A developer-friendly messaging and notification API built to help startups prototype faster without reinventing real-time infrastructure.
- Designed and implemented a multi-tenant chat infrastructure with REST and WebSocket support using FastAPI and Socket.IO.
- Integrated API key-based access and multi-tenant isolation, ensuring secure usage by different clients.
- Designed for easy self-hosting with docker, enabling developers to deploy ChatAPI with minimal setup.

EDUCATION

Bachelor of Information Technology

Ndejje University – Kampala, Uganda | 2020 – 2023

Key Modules: System Design, Software Development, Operating Systems, Project Management, Databases

CERTIFICATIONS

Software Development

Microverse (Remote) | 2020 – 2020

- Completed 1,500+ hours of remote pair-programming and code reviews
- Built 5+ full-stack applications with Git collaboration

REFERENCES

Available on request.