PASCAL BYABASAIJA

Full-Stack Software Engineer

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🔗 [Portfolio](#) | 🔗 [LinkedIn](#)

PROFESSIONAL SUMMARY

Experienced Full-Stack Developer with over 4 years of building scalable web applications across different domains. Adept in React, Next.js, FastAPI, Flask, MongoDB, Docker, and CI/CD pipelines. Proven leadership in managing cross-functional teams, optimizing infrastructure, and delivering user-centric software products.

CORE SKILLS

- **Languages & Frameworks**: TypeScript, Python (FastAPI, Flask), React, Next.js 14, Tailwind CSS, MUI, Headless UI
- **Backend**: REST APIs, Microservices, PostgreSQL, MongoDB, MySQL
- **DevOps**: Docker, Git, CI/CD, Linux, Traefik
- **Cloud**: DigitalOcean, AWS, Google Cloud, Hetzner
- **Tools**: IntelliJ, Vscode, GitHub Actions, Postman
- **Soft Skills**: Agile Development, Project Management, Sprint Planning, Team Leadership, Documentation

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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 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
2020 – 2024

- Promoted to lead developer team of 6, delivering healthcare platforms like Mpeke HMIS.
- Improved system uptime (60% → 90%) and reduced bottlenecks 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

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EDUCATION

Bachelor of Information Technology
Ndejje University – Kampala, Uganda | 2020 – 2023
Key Modules: System Design, Operating Systems, Project Management, Databases

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CERTIFICATIONS

Software Development
Microverse (Remote) | 2019 – 2020

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

REFERENCES

Available on request.