

Hakeem Ullah

Full-Stack Software Engineer | MSc Computer Science

hakeemullah.yousufzai@gmail.com

+33 6 02 77 56 49 | Paris, France

LinkedIn | GitHub | Portfolio

Objective

Full-Stack Software Engineer with 5+ years shipping production systems (React/TypeScript, Node.js, Python/FastAPI, AWS), completing a Master's at EPITA Paris. Seeking a **6-month internship (convention de stage) starting September 2026** to leverage my industry experience in a full-time, professional engineering role.

Education

- | | |
|--|--|
| • EPITA
<i>Master of Science in Computer Science</i> | Paris, France
<i>Expected Graduation: Sept 2026</i> |
| • University of Karachi
<i>Bachelor of Science in Software Engineering</i> | Karachi, Pakistan
<i>2021</i> |

Professional Experience

- | | |
|--|---|
| • Drox Labs
<i>Full-Stack Engineer</i> | Karachi, Pakistan
<i>July 2024 – Feb 2026</i> |
| <ul style="list-style-type: none">• Mobile App: Led architecture and development of a non-custodial mobile application within a 4-engineer team, growing the app to ~2,000 downloads while prioritizing security, performance, and cross-platform UX.• Data Layer: Configured and maintained GraphQL queries for efficient indexing and retrieval, enabling real-time data access across the interface.• Backend Services: Developed scalable Python/FastAPI microservices and optimized database queries and data models to improve performance, reliability, and integrity. | |
| • AlphaMu
<i>Software Developer</i> | Karachi, Pakistan
<i>Oct 2023 – March 2024</i> |
| <ul style="list-style-type: none">• Cloud Infrastructure: Maintained and improved AWS cloud infrastructure using Terraform, strengthening reliability and scalability for a health services platform.• Dashboard: Designed and developed dashboard features, giving users clearer visibility into health data and improving platform usability. | |
| • XORD → BlockApex (team acquired)
<i>MERN Stack / Web3 Engineer</i> | Karachi, Pakistan
<i>Sept 2020 – Oct 2023</i> |
| <ul style="list-style-type: none">• Chrome Extension: Architected and built a multi-chain non-custodial wallet as a Chrome extension, handling complex state management and compatibility.• REST APIs: Developed production REST APIs using NestJS and Node.js with TypeScript to collect, process, and serve trading and token data at scale.• Analytics & Tracking: Built a tracking and analytics tool from scratch, delivering a fully functional MVP within a two-week deadline.• Frontend Optimization: Refactored React codebases using custom hooks, styled-components, and Redux normalization to improve performance and maintainability.• DEX Integration: Customized the Uniswap interface and integrated liquidity addition and removal flows into production applications.• Monitoring: Integrated Amplitude and Sentry for analytics and real-time error tracking, improving observability across platforms. | |

Projects

- **StreamPilotAI:** Built a 24/7 AI-hosted e-commerce livestreaming platform using FastAPI, React/Next.js, and GPT-4o; integrated an FFmpeg/RTMP pipeline for real-time video broadcasting.
- **MetaMask Contributor:** Contributed to MetaMask's open-source browser extension by refactoring core UI components (PR #18774), updating 11+ consuming packages, unit tests, and documentation.
- **InfraStaking:** Developed Solana smart contracts in Rust (Anchor) for a DePIN protocol enabling users to monetize idle digital infrastructure; pitched the project live to industry judges in Paris during the Solana Cypherpunk Hackathon.

Technical Skills

- **Languages:** Python, JavaScript, TypeScript (Proficient), SQL.
- **Frontend:** React, Next.js, Redux, Tailwind CSS, Material UI, HTML5, CSS3.
- **Backend & Data:** Node.js, NestJS, FastAPI, Django, MongoDB, PostgreSQL, GraphQL, REST, gRPC.
- **Cloud & Infrastructure:** AWS (EC2, EKS), Terraform, Docker, Kubernetes, Linux (Shell/Bash).
- **DevOps & Tools:** Git, GitHub Actions, Jenkins, CI/CD, Amplitude, Sentry.

Languages

English: C1 Fluent • **French:** A2 (actively improving)