

Jaseem Abid

blog.jabid.in

✉ me@jabid.in

🌐 [jaseemabid](#)

🌐 [jaseemabid](#)

🐦 [jaseemabid](#)

London, UK

Updated on August 8, 2024

Summary

Staff Software Engineer with deep Infrastructure expertise in both Software Development and Site Reliability across startups and large tech. I find joy in understanding and simplifying complex systems.

Work Experience

Mar '23 - Apr '24 **Staff Software Engineer**, *Lunar Energy*, London, UK.

Influenced architecture & strategy at an early stage startup building [Virtual Power Plants](#) and Energy Optimization at both Home & Grid scale.

Mentored early career engineers and worked on raising the bar across engineering and scaling the platform for the next 10x devices.

Lead observability efforts to improve overall monitoring and reliability.

Engineering lead for revamping the platform public API and released a new developer portal at developers.gridshare.com.

Apr '22 - Feb '23 **Senior Software Engineer**, *Twitter*, London, UK.

Worked on Tweet Search focusing on candidate retrieval and ranking.

Worked closely with ML researchers to ship follower recommendation improvements.

Productionised ML models in Tweet Recommendations and improved experiment iteration velocity.

Built an internal platform for [Approximate Nearest Neighbour Search](#) of dense vectors, which was used for efficient similarity search of tweets, users etc. This effort helped reduce onboarding time of internal customers from months to weeks.

Aug '20 - Mar '22 **Senior Site Reliability Engineer**, *Apple*, London, UK.

Experienced Incident Manager and Traffic SRE responsible for L4/7 load balancing and transparent end to end encryption at massive scale.

Maintained a [DPDK](#) based kernel bypass load balancer for low latency & fault tolerant packet level load balancing for over 400,000 physical servers. A Rust service managed security keys and provided IPSec encryption to all application traffic without any user configuration.

Built tools to improve deployment velocity, config management, observability & monitoring.

Oct '18 - Aug '20 **SRE/Platform Engineer**, *Monzo*, London, UK.

Worked with a small team responsible for Site Reliability and Infrastructure for a major UK bank with over 4M current accounts.

Maintained a modern infrastructure platform that ran over 1600 microservices on Kubernetes & AWS along with etcd, Prometheus, Cassandra etc. Maintained several shared libraries, was primary on call and helped other engineers make the best out of the platform.

Proficient in complex distributed systems, decentralized databases, consensus protocols and AWS.

July '13 - Sep '16 **Freelance Developer, Software Engineer at [Fybr](#) & [Ideadevice](#)**, Bangalore, IN.

Built distributed stream processing in Erlang for an IoT startup and helped built process automation for one of India's Stock Exchanges.

Education

Recurse Center, recurse.com, NYC.

May '17 - Aug '17 Attended a self directed, community driven educational residential retreat for programmers. Several projects including a compiler for a small programming language targeting LLVM and micro benchmarking machine code. Learned x86 assembly, Rust and internals of linkers and operating systems. [More info](#)

May '24 - June '24 Spent 6 weeks in a self-guided program teaching myself deep learning and transformers to understand the 2017 paper [Attention Is All You Need](#). Reimplemented the fundamental principles of the paper in PyTorch from scratch to train toy neural networks.

Apr '09 - Jun '13 **Bachelor of Technology in CS**, *National Institute of Technology, Calicut*.

Relevant Projects & Skills

Incremental A tiny scheme compiler built with strong focus on learning, testing and experimentation. The single pass compiler written in Rust can compile a small subset of Scheme into x86 assembly. Presented a [talk about this project](#) at [Papers We Love, London](#). [Source Code on Github](#)

Proficient in Python & Rust. Comfortable in C, Go, Haskell, Erlang, Scala & x86 Assembly.