Sai Akash Neela

Senior AI Engineer · AI, IoT, Cloud & DevOps Architect · United Kingdom

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PROFILE

Senior AI Engineer with 6+ years building and running production systems across AI, cloud, DevOps and full-stack engineering. At Levocell I own the architecture end to end for connected battery and solar systems (IoT over MQTT and NB-IoT, cloud, data and AI), alongside DevOps, full-stack development and database administration. I have shipped RAG-based Q&A, AI agents, MCP tooling and voice AI with OpenAI, Claude and Gemini; work across almost all AWS services and every layer of Cloudflare, engineer networks from DNS and VPCs to VPNs and Zero Trust, and run infrastructure with Kubernetes, Terraform and Doppler; and build my own products, from native Rust and Swift desktop apps to privacy-first web tools.

PROFESSIONAL EXPERIENCE

Levocell · levocell.ai **Aug 2026 – Present**

Senior AI Engineer

Senior engineer and architecture lead at a UK smart-energy company combining renewable energy, battery storage and AI, from plug-in solar and home batteries to commercial battery energy storage (BESS) and modular AI data centres.

- Architect Levocell's connected-energy platform end to end: device connectivity, cloud, data and AI layers.
- Design IoT connectivity for battery and solar systems over MQTT and NB-IoT, from device telemetry ingestion to real-time monitoring.
- Build AI-driven energy management that learns usage patterns and optimises battery charging around electricity tariffs.
- Own DevOps: cloud infrastructure, CI/CD, containers, observability, backups and security across environments.
- Lead full-stack development of web apps, dashboards and APIs, and administer production databases.
- Set engineering standards and make the architecture calls across battery, IoT and AI products.

Roxonn · roxonn.com **Aug 2025 – Aug 2026**

AI & Cloud Operations Engineer

Ran the cloud infrastructure and automation stack behind Roxonn's apps and internal systems, automating deployments, workflows and AI components.

- Managed AWS environments (ECS Fargate, EC2, RDS, S3, IAM, Route 53) with stable deployments, clean scaling and secure configuration.
- Deployed containerised applications with Dokploy and Coolify (runtime, SSL, monitoring, upgrades), plus Railway and Hetzner environments.
- Built n8n workflow automation integrating internal systems, third-party tools and custom APIs.
- Maintained Cloudflare infrastructure: R2, Workers, Zero Trust, Tunnels and custom caching rules.
- Used MCP servers and custom scripts to automate deployments, backups, logs, health checks and provisioning.
- Supported RAG-based internal AI systems: vector indexes, ingestion pipelines and low-latency access; improved CI/CD and monitoring.

Bell Soft LTD · bellsoft.co.uk **Sep 2022 – Aug 2025**

Lead DevOps Engineer

Designed, implemented and optimised DevOps solutions across hybrid AWS and Azure environments.

- Automated CI/CD with Jenkins, GitHub Actions and Azure DevOps, including Docker builds to ECR and deployments to EKS.
- Ran EKS clusters with Prometheus, Grafana, New Relic APM and Sumo Logic for SLA tracking and fast root-cause analysis.
- Provisioned infrastructure with Terraform and AWS CloudFormation, including reusable modules for self-hosted agents.
- Configured AWS Backup and used AWS DataSync for S3 ↔ Azure Blob Storage migrations.
- Automated patching (Systems Manager, PowerShell) and vulnerability scanning (Snyk, Mend); led the move to DACPAC SQL deployments.
- Deployed React apps on S3 + CloudFront and handled SOC 2 compliance requirements.

Qapita Pte Ltd · qapita.com **Sep 2021 – Sep 2022**

DevOps Engineer

Deployment, monitoring and maintenance of an equity management platform and its infrastructure.

- Managed MongoDB, SQL and PostgreSQL databases: query performance, backups and high availability.

- Worked across AWS (IAM, EC2, RDS, Lightsail, SES, S3, Route 53, Elastic Beanstalk, CodePipeline, EKS); deployed microservices with Docker and Kubernetes.
- Configured CI/CD pipelines with automated security checks (Snyk, Mend) and managed DNS, email and domains.

Uniquode · uniquode.in **Aug 2020 – Sep 2021**

Junior DevOps & Software Engineer

Supported deployments, environment stability and feature development.

- Wrote Python and Bash automation; built frontend features with HTML, CSS, JavaScript and React.
- Supported AWS (EC2, S3, IAM, RDS backups), SQL and MongoDB operations, Firebase and DigitalOcean.

SELECTED PRODUCTS

- **ArivuLabs** (arivulabs.ai): AI voice agents answering and making business calls in 70+ languages, plus ArivuStudio for AI video, ads, dubbing and voice.
- **PilotFox** (pilotfox.app): Cookieless web and product analytics linking Stripe, Dodo Payments and Polar revenue to visits; funnels, session replay, REST API and MCP.
- **BucketStack** (bucketstack.app): Open-source native S3 manager for macOS, Windows and Linux (Rust, Tauri 2, React 19) for AWS S3, Cloudflare R2, MinIO, Wasabi and B2.
- **MacKitty** (mackitty.com): Open-source native Swift/SwiftUI Mac cleaner that safely reclaims developer caches without touching personal files.
- **checkemail** (checkemail.dev): Zero-dependency, MIT-licensed email validation for Node.js, Bun, Docker and the browser.
- **PDFamaze** (pdfamaze.com): 51 open-source PDF tools running fully in the browser (pdf-lib, pdf.js, WebAssembly).
- **OpenFlareStack** (openflarestack.com): Nightly-ranked catalog of 300+ open-source apps that deploy to your own Cloudflare account.
- **Also**: Gita Sadhana, StickyDraft, TopTheBid. Co-Founder & CTO of GrabAI Ltd (grabai.co.uk); Founder of PixelMercury (pixelmercury.com).

TECHNICAL SKILLS

AI & Agents: LLM apps (OpenAI, Claude, Gemini), AI agents, voice AI, RAG pipelines, MCP servers, vector databases, n8n

IoT & Energy: IoT architecture, MQTT, NB-IoT, device telemetry, battery energy storage (BESS), solar and smart energy

AWS (almost all services): EC2, ECS, Fargate, EKS, Lambda; S3, EFS, EBS, FSx; RDS, Aurora, DynamoDB, ElastiCache; VPC, Route 53, CloudFront, ELB, Transit Gateway; IAM, KMS, Secrets Manager, GuardDuty, Inspector, WAF; SQS, SNS, EventBridge; CloudWatch, CloudFormation, Systems Manager, Backup, DataSync

Cloudflare (end to end): Workers, Pages, R2, D1, KV, Durable Objects, Queues, Workers AI, Hyperdrive, DNS & CDN, WAF & DDoS, Zero Trust & Access, Tunnels

Networking: Network engineering, TCP/IP & subnetting, DNS, VPC design, VPN & site-to-site, load balancing, firewalls, Zero Trust networking

DevOps & Platforms: Azure (VMs, Key Vault, Entra ID, WAF), Docker, Kubernetes (EKS), Terraform, GitHub Actions, Jenkins, Azure DevOps, Doppler secrets management, Dokploy, Coolify, Hetzner, Railway

Observability & Security: Prometheus, Grafana, New Relic, Sumo Logic, Snyk, Mend, Veracode, SOC 2

Data: Database administration, PostgreSQL, MongoDB, Redis, SQL Server, SQLite

Engineering: System architecture, TypeScript, React, Next.js, Node.js, Bun, Python, Go, Rust, Tauri, Swift/SwiftUI, React Native, C#/.NET Core, Java, REST & GraphQL APIs, Stripe

EDUCATION

University of Hertfordshire — Master's in Advanced Computer Science

KL University — Bachelor's in Computer Science with Cloud Computing Specialisation.

CERTIFICATIONS & PUBLICATION

- AWS Solutions Architect Associate (Simplilearn) · Salesforce Certified Administrator · RPA Professional (Automation Anywhere) · Java (Wipro)
- Project paper published in IEEE: IEEE Xplore, Document 9441974