

Khallad Sharafeldin

Senior Software Engineer | Cloud Architect | AI & RAG Specialist | **Berlin, Germany** |
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I am a Senior Software Engineer with **9+ years of experience** building scalable cloud systems and solving complex backend challenges. My core expertise lies in **AWS Architecture**, **Event-Driven Systems**, and **AI Integration**.

Beyond my day job, I am deeply passionate about education. I run [Khallad \(AI & Tech\)](#), a YouTube channel where I teach the Arabic-speaking developer community how to build practical **AI Agents**, **Voice AI**, and **RAG systems** and have founded [NeonAI](#) software ventures including ([Stretch-out](#)) a published mobile app and a remote development agency.

I thrive in environments where I can build high-performance software while mentoring teams to grow and succeed.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript (ES6+), SQL, PHP (7+), Java (8/11).
- **Frontend:** Angular (Expert), React, Next.js, RxJS, Tailwind CSS, Bootstrap.
- **Backend:** Node.js, Nest.js, Spring Boot, Laravel, Microservices.
- **Cloud & DevOps:** AWS (ECS, Lambda, S3), Docker, Kubernetes (K8s), Terraform, GitHub Actions.
- **AI & Automation:** RAG Systems, LangChain, Voiceflow, Vapi.ai, n8n, make.com.
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, Vector DB.

PROFESSIONAL EXPERIENCE

liveperson GmbH | Berlin, Germany **Senior Full-Stack Developer** | *May 2025 – Present*

- **Integrated Apple Messages for Business (AMB)**, enabling major enterprise clients to communicate directly with customers via iOS, driving the "Conversational Cloud" strategy.
- **Managed distributed Node.js microservices** on Kubernetes, ensuring system reliability and uptime for high-traffic, high-demand applications.
- **Mentored junior engineers** and conducted rigorous code reviews, fostering a culture of high code quality and technical growth within the team.
- **Tech Stack:** Node.js, TypeScript, Kubernetes (K8s), Angular, Microservices.

Digital Service | Berlin, Germany **Senior Full-Stack Developer** | *May 2024 – Apr 2025*

- **Worked on the modernization** of Berlin's Justice services, moving slow, paper-heavy workflows to a fast, automated web platform.
- **Sped up the system** by implementing Redis caching, which significantly reduced load times for heavy data requests.
- Worked closely with non-technical stakeholders to define requirements and ensure all sensitive state data was GDPR compliant.
- **Tech Stack:** TypeScript, Node.js, React, AWS, Redis.

Funke Digital | Berlin, Germany Full-Stack Developer | Jul 2020 – Apr 2024

- **Managed the migration** of high-traffic media sites to AWS, ensuring they could handle **Millions** of monthly visitors without crashing.
- **Built internal tools** that helped social media editors work faster, directly contributing to a **10%** increase in revenue (surpassing company targets).
- **Refactored legacy code**, turning an old PHP monolith into a clean, modular architecture using Typescript using Nest.js.
- **Tech Stack:** Typescript, Nest.js, AWS, Docker, Angular, TypeScript.

Health-Rise | Frankfurt, Germany Software Developer | Jul 2019 – Jun 2020

- **Improved web page speed by 65%** by cleaning up code and optimizing how we handled medical document uploads.
- **Mentored fresh graduates** in Angular and TypeScript, helping them become confident, productive team members in just 3 months.
- **Tech Stack:** Typescript, Javascript es6, Angular, Bootstrap.

Hewlett Packard Enterprise (HPE) | Cairo, Egypt Software Developer | Apr 2018 – Jun 2019

- **Built a Data Visualization dashboard** for Vodafone.de, creating interactive maps that tracked customer tickets and SLA timelines in real-time.
- **Introduced Test-Driven Development (TDD)** to the team, which improved code quality and reduced bugs in our backend services.
- **Tech Stack:** Java 8, Spring Boot, Angular, RxJs, D3.js.

Portapeople | Cairo, Egypt Software Engineer | Jan 2016 – Mar 2018

- Built a real-time reporting app and a dynamic workflow engine.
- **Expanded the product's reach** by building a cross-platform desktop version using Electron.js.
- **Tech Stack:** Laravel, Angular, MySQL, WebSockets, [Electron.js](#).

ENTREPRENEURSHIP & PROJECTS

Creator & Developer | Stretch-out (Mobile App) | [Google Play](#) | [App Store](#)

- **Full Product Lifecycle:** Got the Idea, Designed, built, and launched a health-focused mobile application for desk workers, Giving reminders & featuring voice-guided mobility routines.
- **Store Deployment:** Successfully managed the release and updates on both Google Play and the Apple App Store.

Founder & Technical Lead | NeonAI ([neonai.com](#))

- **Remote Team Leadership:** Established a boutique software consultancy, sourcing international projects and directing a remote engineering team in Egypt to execute delivery.
- **Technical Oversight:** Focus on architectural decisions and code quality assurance, enabling scalable project delivery while maintaining full-time professional commitments.

Founder & Content Creator | Khallad ([AI & Tech](#))

- **AI & Automation Education:** Create comprehensive video tutorials for the Arabic developer community, focusing on workflow automation using n8n and AI Voice Agents (Vapi), RAG Architecture.
- **Technical Mentorship:** Simplify complex concepts like LLMs, Transformers, and Fine-Tuning, helping developers bridge the gap between theory and practical application.

EDUCATION

Bachelor of Science in Computer Science Cairo University | *Graduated 2016*

LANGUAGES

- **English:** Full Professional Proficiency
- **German:** B1 (Intermediate)
- **Arabic:** Native