HAROON DILSHAD

Senior Product Engineer

Contact

✉ hello@haroondilshad.com
📍 Berlin, Germany
🔗 haroondilshad.com
💼 linkedin.com/in/haroondilshad
🐙 github.com/haroondilshad

Languages

- English - Native
- Deutsch - A2

Professional Summary

Senior Product Engineer with 11+ years of experience building scalable, user-centric software. Skilled in leading teams, leveraging agentic AI for rapid delivery, and implementing technical solutions that align with business objectives.

Key Strengths

- Agentic AI Development: AI-powered delivery, MCP sandboxing
- Cloud Architecture: Event-driven systems, scalability (AWS, Azure, OCI)
- Secure Developer Experience: DevContainers, DevPod, supply-chain hardening
- Leadership: Cross-functional team management, mentoring
- Product Thinking: User-centric design, outcome-driven prioritization
- DevOps: Automated testing, CI/CD implementation
- Data: ETL processes, pipeline development

Tools & Technologies

Programming Languages:
JavaScript · TypeScript · Java · Go · Python

Backend:
Node.js · NestJS · Express · Django ·

Co-Founder & CTO, DevNinja / OpsNinja, The Hague, Netherlands (Remote) — Nov 2024—Feb 2026

- Co-founded a dual-brand software consultancy and engineering staffing firm, serving PropTech, FinTech, and AI startups across Europe and the US.
- Pioneered an agentic AI-driven development methodology that dramatically compressed delivery timelines, cutting both engineering and deployment costs for clients.
- Delivered end-to-end product builds for a stealth-mode AI platform competing in the private equity intelligence space, from architecture through production launch.
- Scaled distributed engineering teams and embedded senior talent at high-growth startups to accelerate their go-to-market.

Tools & Technologies: Agentic AI, LLM Orchestration, MCP, DevContainers, DevPod, TypeScript, NodeJS, Docker, PostgreSQL.

Staff Engineer, HeartbeatMed, Berlin, Germany — Feb 2024—Aug 2024

- Implemented end-to-end and integration testing strategies, improving overall product quality and reducing bug discovery time.
- Implemented preview environment seeding process, reducing setup time from multiple developer hours to minutes.
- Developed automations for routine tasks i.e. score calculations, resending emails to eligible users etc., increasing team productivity and removing manual interventions.
- Architected and implemented spotlight search functionality, improving user experience and search accuracy.
- Mentored junior developers with extensive code reviews and pair programming sessions.

Tools & Technologies: AWS Cloud with CloudFormation, Event-Driven Architecture, Docker, Postgres, Grafana, Prisma, Playwright, TypeScript, Remix, NodeJS, KeyCloak, TypeSense, NATs, PgBoss, yarn berry Monorepo.

Senior Full-Stack Developer & Technical Team Lead, BuildingMinds GmbH, Berlin, Germany — 2019—Jan 2024

- Architected and led development of a no-code-low-code highly scalable "Generic Connector" platform, enabling seamless integration of diverse data providers with minimal code changes; saving thousands of euros in integration costs per provider.
- Designed and implemented a CDM-compliant data normalization and transformation pipeline, streamlining data flow to downstream services and data lake.
- Spearheaded an inner-source initiative, fostering collaboration and code reuse across teams, resulting in shared ownership of unmaintained services.
- Mentored junior developers with extensive code reviews and pair programming sessions.
- Implemented automated testing strategies, increasing test coverage

Deno/BunJS

Frontend:
Angular · React · RxJS · NGXS · Redux · Remix

Databases:
MongoDB · Postgres · Cloudant/CouchDB · SQL + Lite

ORM/ODM:
TypeORM · Sequelize · Prisma · Mongoose

Testing:
Jest · Playwright/Puppeteer · Cypress

Cloud & DevOps:
Cloud Native APIs from AWS, GCP, Azure, Vercel, Netlify, Docker + Compose, Kubernetes (K8s)

Secure DX:
DevContainers · DevPod · MCP · Cloudflare Tunnels · Traefik

API Technologies:
GraphQL · gRPC/tRPC · RESTful APIs

Search:
ElasticSearch · TypeSense

Education

SEECS - NUST, Islamabad, Pakistan
BE Software Engineering 2011-2015

---

from 60% to 95% and reducing regression of bugs.

Tools & Technologies: Azure Cloud, MSA, Event-Driven Architecture, K8s, Docker, Grafana, ELK, Postgres, Angular, NodeJS, TypeScript, RxJS, Ngxs, NestJS, Jest, Mongo, CosmosDB, Kafka, EventHubs, ETL.

Software Engineer, Caya GmbH., Berlin, Germany (Remote) — 2017-2018

- Caya makes your postal mail digital. I was responsible for creating and maintaining necessary visual and compute components responsible for digitalizing the physical mail and making it available to users.

Tools & Technologies: MSA, Serverless Framework, ReactJS, Typescript, Redux, NodeJS, AWS, DynamoDB.

Technical Lead, M-Hospitality, Athens, Greece (Remote) — 2019-2019

- Lead a team of designers and developers to create companion applications for top-rated hotels.
- The most challenging aspect of the project was to "generate" a different app for every hotel from a single unified code base.
- This was made possible by feeding different layout and other configurations at build time.

Tools & Technologies: Ionic Framework, Angular, Typescript, Rxjs, MySQL, PHP, NodeJS.

Full-Stack Developer, AIRE Services LLC., California, USA Remote — 2016-2017, 2019

- As a core full-stack developer, I was involved in building an application that assists users in finding and agents in selling real estate.
- I developed a data-ingestion system that pulls data from dozens of MLS Services from across the USA and standardizes it.
- I also helped create a cross-platform mobile application that consumes this data.

Tools & Technologies: Ionic Framework, Angular, Typescript, Rxjs, NodeJS, Restify, Cloudant.

Independent Contractor, Upwork, Remote — 2015-2019

- 100% job success rate throughout my career.
- 91% of clients have expressed a willingness to recommend my services to others.
- 100% of clients have indicated their desire to collaborate with me again.

Open Source Contributions

- LuLu (12k+ ★) — Leading open-source macOS firewall by Objective-See.
- devpod-provider-oracle-cloud — DevPod provider for one-command cloud dev environments on Oracle Cloud Infrastructure.
- CloudStream (8.9k+ ★) — Open-source Android media streaming platform.
- serverless-dns — Privacy-first DNS resolver (RethinkDNS) for edge runtimes.
- tauri-etcher — Tauri-based reimagining of Balena Etcher for OS image flashing.