Niranjan Thimmappa

Solution Architect

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PROFILE

Solution Architect with 8+ years bridging hardware and software domains, combining deep test & measurement expertise with AI-powered enterprise solutions. Specialized in prompt engineering, document processing systems, and Azure AI stack. Award-winning track record translating complex technical requirements into scalable solutions. Seeking Solution Architect roles leveraging unique hardware-software integration experience.

PROFESSIONAL EXPERIENCE

Solution Architect, *BuildingMinds GmbH*   10/2023 – Present
                                                                              Berlin, Germany
- Architected award-winning AI-powered Invoice Extraction solution for Zurich Insurance achieving 95% accuracy - recognized as Digital Top 10 Project 2025.
- Designed and implemented AI-powered Lease Contract Data Extraction system for PAREF using advanced prompt engineering and context-engineering based process.
- Established, used and maintained internal AI stack with Azure AI Foundry and Langfuse for prompt management, enabling efficient AI solution development and monitoring across teams.
- Developed comprehensive API documentation using Readme.com ↗ , improving developer experience and integration efficiency by 40% .
- Implemented serverless deployment architecture using GitHub Actions and Vercel, enabling rapid CI/CD with zero-downtime deployments.
- Led proof-of-concept initiatives for CSRD Planning and Apache Superset Custom Reporting solutions, validating technical feasibility for enterprise clients.

Account Manager, *Energenious GmbH*   04/2023 – 09/2023
                                                                              Berlin, Germany
- Represented company at Smarter E Munich 2023, demonstrating hardware-software integrated microgrid solutions.
- Developed strategic partnerships discussion with renewable energy stakeholders.

Working Student, *GE Energy Power Conversion GmbH*   01/2022 – 03/2023
                                                                              Berlin, Germany
- Conducted test & measurement analysis for power conversion systems, validating technical specifications and performance metrics
- Architected Salesforce-based analytics dashboards integrating hardware telemetry data, improving forecast accuracy by 30%
- Performed competitive analysis of emerging technologies identifying 5 strategic opportunities worth €2M+ annually

Business Development & Sales Intern, *Energenious GmbH*   06/2021 – 12/2021
                                                                              Berlin, Germany
• Designed reporting features for microgrid optimization software.
• Developed customer segmentation strategy for hardware-software hybrid solutions, expanding market by 40%.

Business Development & Technical Sales Engineer,   03/2014 – 08/2019
Arabcal Technical Solutions LLC   Dubai, UAE
• Executed 100+ hardware-software integrated solutions for OEMs (Eaton, GE, ABB)
and utility companies (DEWA).
• Specialized in test & measurement equipment implementation and technical
training for 20+ European technology brands.
• Managed €5M+ annual revenue pipeline across MENA region, bridging hardware
specifications with software requirements.

EDUCATION

MBA in Energy Management, *Technical University of Berlin*   09/2019 – 03/2023
Thesis: Smart Grid Architecture integrating hardware (EV charging) with software
control systems

B.Tech Electrical & Electronics Engineering, *SCMS School of Engineering*   08/2009 – 05/2013
Thesis: Voice-operated wheelchair system combining hardware sensors with
software intelligence

TECHNICAL SKILLS

AI & Cloud Architecture — Proficient
Azure AI Foundry, Langfuse, Prompt Engineering,
Context Engineering,Document Processing,
Azure Cloud, Azure DevOps, GitHub CI/CD, Vercel

Enterprise Platforms & Analytics — Proficient
Salesforce, HubSpot, SAP Ariba, Power BI, Tableau,
Apache Superset
API Architecture, Microservices, System Integration,
Solution Design

Hardware-Software Integration — Proficient
Test & Measurement Systems, Power Electronics, IoT
Sensor Integration, Industrial OEM Solutions
Hardware Telemetry, Embedded Systems Interface,
Technical Specification Design

Languages

English   **German**
C1 - Advanced   B2 - Upper Intermediate

References

Tobias Ungermanns, *Head of Solution Design,* BuildingMinds GmbH
tobias.ungermanns@buildingminds.com