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Solution Architect | .NET & Cloud | EV Charging & IoT | AI/GenAI

EXPERIENCE SUMMARY:

- Product-driven Technical Architect with 14+ years of experience in .Net with 9+ years of experience in .Net Core building and scaling digital SaaS platforms across EV, IoT, and enterprise ecosystems. Proven track record of defining product vision, owning end-to-end product lifecycle from ideation to launch, and delivering interoperable platforms (OCPI, OCPP, Beckn) serving OEMs and enterprise clients.
- Experience designing and implementing AI-powered enterprise solutions using LLMs, RAG architectures, Agentic AI, Azure OpenAI, Vector Databases, and Conversational AI platforms for intelligent automation and knowledge-driven applications.
- Strong expertise in product roadmap planning, stakeholder alignment, Agile/Scrum delivery, KPI-driven optimization, and cross-functional leadership across Engineering, Business, and Partner ecosystems. Experienced in launching scalable platforms across India, UAE, UK, and USA markets.
- Experience in Requirement Gathering, Documentation, Estimations, Planning, Designing, Administration, Configuration, Implementation (development), Data Migration, Integration, Code Reviews, End User Training and Support.
- Designed and delivered various business flows on Sales.
- Strong development experience Triggers, Procedure, REST API.
- Designed, implemented, and developed various Microservices and deployed through Azure CI/CD pipelines.
- Part of design team i.e., full exposure to Personalization, Coupon, Promotion, and Offer management Services.
- Effective in working independently and collaboratively in teams. And in working with the client as a Technical Point of Contact and Solution provider.
- Knowledge on Project Management, Agile Methodology and Sprint based project delivery.
- Adoptive to advanced technologies and adhere to estimated schedules.
- Involved in Trainings, interviewing candidates, Mentoring team members.

KEY SKILLS:

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|-----------------------------------|-------------------|
| ▪ .Net Core | ▪ MySQL |
| ▪ Angular | ▪ Integrations |
| ▪ RabbitMQ | ▪ CI/CD |
| ▪ API Gateway | ▪ MQTT |
| ▪ Nginx | ▪ SQL Server |
| ▪ Python, AI/ML, Azure OpenAI | ▪ Microservices |
| ▪ Azure/AWS | ▪ Tableau (Basic) |
| ▪ Machine Learning & Data Science | |

Product & Strategy Skills

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|---|-------------------------------|
| • Product Vision & Roadmap Planning | ▪ PRD & User Story Creation |
| • Stakeholder Management | ▪ SaaS Product Scaling |
| • KPI Definition & Performance Tracking | ▪ Agile / Scrum Methodology |
| • Data-Driven Decision Making | ▪ Cross-functional Leadership |

Product & Collaboration Tools

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|--------------------------------------|--------------------------------|
| • Jira (Backlog & Sprint Management) | Confluence (PRD Documentation) |
| • Azure DevOps | Agile / Scrum Framework |
| • API Monitoring & Analytics Tools | |

Protocols

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|--|--|
| ▪ OCPI (Open Charge Point Interface) EV | ▪ OCPP (Open Charge Point Protocol) EV |
| ▪ Dex (Data Exchange) from Vending machines. | ▪ Beckn Protocol (BPP and BAP) EV |

AI & Generative AI Expertise

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|--|---|
| ▪ Enterprise AI Solution | ▪ Large Language Models (LLMs) |
| ▪ Retrieval Augmented Generation (RAG) | ▪ Agentic AI & Multi-Agent Systems |
| ▪ Azure OpenAI Service | ▪ Prompt Engineering |
| ▪ Vector Databases & Embeddings | ▪ Semantic Search |
| ▪ Conversational AI & Chatbots | ▪ AI Integration using .NET & Azure |
| ▪ MLOps & AI Governance | ▪ AI-powered Knowledge Management Systems |

CERTIFICATIONS:

- ✓ .Net Training from NIIT (2011)
- ✓ Advance .Net MVC Training from TechMentro Noida (2012)
- ✓ DevOps (Winter training) IIT Roorkee (2021)
- ✓ Data Science from Data Folkz (2021)
- ✓ Azure Administrator Associate (AZ-104)
<https://learn.microsoft.com/en-us/users/dheeraishukla-6488/credentials/a5db3afac0018941>
- ✓ Azure Solutions Architect Expert (AZ-305)
<https://learn.microsoft.com/en-us/users/dheeraishukla-6488/credentials/e73a5b6f4961c8b1>

EDUCATION:

- Master of Computer Applications (MCA) from Asian International University
- Bachelor’s in Computer Applications (BCA)

WORK EXPERIENCE:

- Worked as a Technical Architect for TechPerspect Software Private Limited(ElectreeFi), Noida from August 2023 to April 2026.
- Worked as a Web Architect for Limitless Mobility Solutions, Greater Noida from October-2019 to July 2023.
- Worked as a Team Lead for Limitless Mobility Solutions, Greater Noida from April-2016 to October 2019.
- Worked as a Web Developer for Maya Techno Soft Pvt Ltd, Noida from June-2012 to April-2016.

Roles & Responsibilities:

- Involved in Design Review sessions and code reviews.
- Integration and end to end system testing and performance tuning of application & documenting the same.
- Development, Source Control, Test Plans, Code Reviews.
- Extensively worked with custom objects, flexi page layouts, Process builders, flows Workflows, Approvals, creating/using the Classes, Triggers, Controllers APIs.
- Involved in the creation of various reusable components and Modularization of complex classes into smaller components.
- Worked on Rest API, Web services, middleware, CI/CD, development tools and Version controlling tools.
- Assist in defining and executing resource development to achieve the critical mass needed to support the pipeline of opportunities.

KEY PRODUCT ACHIEVEMENTS

- Launched interoperable EV charging platform integrated with 30+ CPO/EMSP networks.
- Scaled IoT vending platform to 2000+ machines and 1M+ daily user interactions.
- Delivered cross-border ERP-integrated SaaS platforms across UAE, UK, USA.
- Improved interoperability by 20% through ecosystem-level enhancements.
- Maintained 99% uptime across distributed microservices architecture.
- Led multi-stakeholder product reviews and roadmap discussions with enterprise OEMs.

Project: Electreefi | **Client:** Hyundai, Mahindra, Adani(EV),Hero MotoCorp, Tata (EV) And multiple EMSPs and CPOs | **India** | **From 2023 to 2026**

Environment: .Net Core, Microservices, API Gateway, API Aggregator, MySQL, MQTT, RabbitMQ, Azure

Role: Technical Architect (Key Responsibility OCPI and Beckn protocol (BPP and BAP))

Description:

Electreefi, is an Information Technology and eMobility solutions company based out of Noida, Delhi NCR.Electreefi have done extensive work in the Electric Vehicle (EV) domain in association with the leading stake holders in the Indian industry.

Responsibility:

- Led the integration and maintenance of OCPI-compliant and Beckn protocol (BPP and BAP) EV charging solutions for electric vehicle charging infrastructure.
- Evaluating and designing AI-driven solutions leveraging LLMs, RAG, and Azure OpenAI for intelligent customer support, EV ecosystem knowledge management, and workflow automation.
- Defining enterprise AI architecture patterns including vector search, embeddings, prompt orchestration, and agent-based automation.
- Developed and implemented software modules adhering to OCPI standards, ensuring seamless communication between various charge point operators and e-mobility service providers.
- Managed the configuration and troubleshooting of OCPI interfaces, achieving a 99% uptime rate and minimizing downtime for EV charging networks.
- Collaborated with cross-functional teams to enhance OCPI functionalities, resulting in a 20% increase in interoperability with third-party charging networks.
- Conducted regular audits and compliance checks to ensure adherence to OCPI protocols and standards, contributing to the company's reputation as a reliable provider of EV charging solutions.
- Defined EV roaming platform product strategy aligned with India’s EV ecosystem growth.
- Owned end-to-end product lifecycle for OCPI-compliant charging interoperability platform.
- Created functional requirement documents (FRDs), PRDs, user stories, and acceptance criteria.
- Prioritized product backlog based on business value and interoperability goals.
- Led cross-functional collaboration between Engineering, OEMs, CPOs, EMSPs, and business stakeholders.
- Improved interoperability by 20% through OCPI optimization and ecosystem expansion.
- Measured product KPIs including transaction success rate, onboarding timelines, and system performance.

Project: Starkey hearing aids | **Client:** Starkey | **India | USA | From 2021 to 2023**

Environment: .NET, C#, ASP.NET, SQL Server 2019, REST/SOAP APIs, Web Services, Dapper, JavaScript, jQuery, Production Support, API Integration, SQL Troubleshooting, AI-assisted Application Support.
Role: Team Lead/Developer/ Web Architect

Description:

Enterprise healthcare technology platform supporting hearing-care operations, customer management, hearing-aid services and digital integrations. Provided production support covering incident investigation, application/API troubleshooting, SQL analysis, RCA, defect resolution, production monitoring and application maintenance.

Project: Xtend Sales | **Client:** HotPack | **United Arab Emirates | United Kingdom | USA From 2020 to 2023**

Environment: .Net Core, MySQL, Angular 9, Microservices, API Gateway, API Aggregator, SAP Integration, Client ERP Integration
Role: Web Architect

Description:

Xtend Sales is A complete and connected, end-to-end Presales, van sales and delivery platform. All transactioncan push to ERP as Client requirement Operates offline (no data connection required) Portable thermal printers to instantly print POD Customer payment (Cash, Cheque) and returns collection Customer Geo capture Customer pricing, discounts, promotions Stock control Customer credit control End of Day sales, stock and cash summary Customer profile, sales and credit history manages on-the-road sales operations including mobile workforce automation and office-based control functions. advanced features such as customer-specific pricing structures predictive selling tools and promotion latest Android application real-time data transfers between field and office Our van sales solution combines intelligent mobile sales functionality with paperless process management and route optimization to create a powerful mobile data solution.

Project: Vending Machine Solutions | Client: Vendiman Pvt Ltd | **India | From 2017 to 2019**

Environment: .Net Core, Microservices, API Gateway, API Aggregator, MySQL, MQTT, RabbitMQ, Azure
Role: Team Lead/Developer/ Web Architect

Description:

Vendiman is India’s largest and fastest-growing food and beverage smart retail solutions provider. They are present with 2000+ machines, 550+ clients in 20+ cities, and with 1Million+ daily outreach.
A vending machine is an automated machine that provides items such as snacks, beverages to consumers after money, a credit card, QR, wallet, coin or specially designed card is inserted into the machine.

Project: Visi cooler vending solution | **Client:** Gobbly.in | **India | From 2017 to 2019**

Environment: .Net Core, Microservices, API Gateway, API Aggregator, MySQL, MQTT, RabbitMQ
Role: Team Lead/Developer/ Web Architect

Description:

A digital platform that enables a smart vending ecosystem for buyers and sellers, Smart Visi Coolers are intelligent self-service equipment.

Project: Sales ERP | **Client:** MH | **Dubai | From 2017 to 2019**

Environment: Asp .Net, SQL server 2014, JavaScript, jQuery.
Role: Developer

Description:

MH is A complete and connected, end-to-end van sales platform. All transactioncan push to ERP as Client requirement Operates offline (no data connection required) Portable thermal printers to instantly print POD Customer payment (Cash, Cheque) and returns collection Customer Geo capture Customer pricing, discounts, promotions.

Project: Salze | **Client:** Dubai Client | **From 2016 to 2019**

Environment: Asp .net Core, SQL server 2012, JavaScript, jQuery.
Role: Developer

Description:

Salze is A complete and connected, end-to-end van sales platform. All transaction can push to ERP as Client requirement Operates offline (no data connection required) Portable thermal printers to instantly print POD Customer payment (Cash, Cheque) and returns collection Customer Geo capture Customer pricing, discounts, promotions Stock control Customer credit control End of Day sales, stock and cash summary Customer profile, sales and credit history manages on-the-road sales operations including mobile workforce automation and office-based control functions.

Project: Masafi | **Client:** Masafi | **UAE | From 2016 to 2019**

Environment: Asp .net 4.0, Web Services, SQL server 2012
Role: Developer

Description:

Masafi, the leading producer of pure natural mineral water in the Gulf, was established in 1976.
In Masafi portal we handle order to delivery with including rout plan, product check in and check out, vehicle.

Project: Zaika Indian bistro & bar | **Client:** Zaika | **New Zealand | From 2012 to 2016**

Environment: Asp .net 4.0, Web Services, SQL server 2008 R2
Role: Developer

Description:

Zaika Indian Bistro & Bar is in Te Aro, Wellington with a menu offering a wide range of Indian cuisine. Indian dishes include Chicken Punjab, Lamb Vindaloo, Beef Vindaloo, Butter Chicken and many more. Indian Zaika dining options include dine-in, pickup or for your convenience delivery. Order Online today and get a taste of our delicious Indian food sure to please. We look forward to serving you soon.

Project: Shine eleven, | **Client:** Shine eleven | **New Zealand | From 2012 to 2016**

Environment: Asp .net 4.0, Web Services, SQL server 2008 R2
Role: Developer

Description:

Shine eleven is New Zealand's online auction and classifieds website. Managed by Shine eleven.