

DEEPAK P

SENIOR SOFTWARE ENGINEER

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Passionate and results-oriented software developer with 6+ years of experience in creating scalable and high-quality solutions. Skilled at solving complex problems and delivering innovative, efficient solutions aligned with business needs. Known for achieving impactful results and fostering effective team collaborations.

SKILLS

- **Backend** : C#, .NET, SQL, Node.JS, RESTful API, gRPC, Entity Framework, Unit test, TDD, Microservice Architecture
- **Frontend** : TypeScript, JavaScript, ES6, React, HTML, CSS, Redux
- **Cloud** : Microsoft Azure
- **Tools** : Docker, Kubernetes, Git, Visual Studio, VS Code, Azure DevOps
- **Soft Skills** : Problem Solving, Logical Thinking, Mentoring, Communication, Team Collaboration

PROFESSIONAL EXPERIENCE

Senior Software Engineer, WiseTech Global Pvt Ltd

Mar 2022 - Present

- Key contributor to the ContainerChain team, developing and maintaining multiple applications under **Driver project**.
- Lead Developer in the design and development of the Driver API (Backend) and Driver App (Web and Mobile).
- Played a pivotal role in team expansion, starting as the sole developer (alongside the team lead) and mentoring new hires to grow the team to 8 developers.
- Designed and developed the GeolocationStorage background service from scratch with C# and .NET 8
- Improved performance for Driver by transitioning position tracking api's from JSON to gRPC, optimizing geolocation updates by prioritizing important areas every 5 seconds and reducing updates for less critical areas to 15 seconds.
- Implemented batching and caching at multiple points across the system, resulting in significant performance gains for the overall Driver product. Identified and resolved bottlenecks in the DriverBusinessRules project, enhancing processing efficiency and response times.
- **Tech Stack** : C#, .NET 8, React, TypeScript, JavaScript, SQL, PubNub, Azure

Software Engineer, Siemens Gamesa Renewable Energy Pvt Ltd

Jul 2019 - Mar 2022

Project : Track and Trace Tools and Equipment

- Core developer in building end-to-end solution for tracking and maintaining equipment for SGRE production plants, achieving €600k cost savings in FY'21 and potential savings of €100k/month globally.
- Developed features like equipment position tracking, movement animations, AAD authentication, file upload/validation, real-time messaging, and integrations with Azure Search and AppInsights. **Tech Stack** : C#, .NET, React, TypeScript, SQL, Azure

Project : Super Smart Loads and Design

- Contributed to the solution enabling SGRE engineers and customers to validate project site climatic data and interact via real-time chat. **Tech Stack** : C#, ASP.NET Core, React, TypeScript, JavaScript, SQL, Azure

Intern, EVQPoint Pvt Ltd

Jan 2019 - Jun 2019

- Contributed to the Development of EVSE platform

KEY ACHIEVEMENTS

- Recognized and rewarded for taking ownership of the Driver Project and driving its success.
- Received Talent Award and Best Team Award at the organization level for contributions to Track and Trace project.
- Published IEEE Paper: "A Novel Bi-Directional Converter Algorithm for Electric Vehicle to Grid Applications."
- Achieved a GATE 2017 rank of 1297 out of 117,443 qualified candidates.

EDUCATION

M.Tech in Electrical and Electronics Engineering

National Institute of Technology, Karnatka, CGPA 8.43

Aug 2017 - May 2019

B.Tech in Electrical and Electronics Engineering

Government Engineering College, Thrissur, CGPA 7.93

Aug 2012 - May 2016

HSC

Sree Valluvanad Vidya Bhavan, Perinthalmanna, 93.2 percent

Jun 2011 - Mar 2012

PERSONAL PROJECTS

- **Invo-Eaze** : App to manage inventory, logistics, invoice and sales, integrated with real-time tracking and WhatsApp notifications
- **SmartHome** : Application to track and manage Home appliances and power consumption.
- **Personal Portfolio Website** : <https://deepakpallath.github.io/Personal-Website>