

DEEPAK T

Software Architect

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Date of Birth: 1988-10-02

Results-driven Software Architect with 15+ years of experience designing and implementing large-scale software solutions. Seeking to leverage expertise in cloud services, microservices architecture, and team leadership to drive innovation and optimise system performance within a leading computer software/engineering organisation.

Professional Summary

- Architected and delivered large-scale software solutions leveraging cloud services (AWS, Azure), Kubernetes, and Docker, enhancing system scalability and resilience.
- Led the migration of a monolithic application to microservices, resulting in a 40% reduction in memory consumption and improved system stability.
- Designed and implemented a Kubernetes-based platform for deploying guest applications, reducing deployment time by 30% and ensuring high availability for 20+ applications serving millions of users.
- Proficient in full-stack development with C#, ASP.NET Core, ReactJS, TypeScript, Vue.js, and databases including SQL and PostgreSQL.
- Experienced in leading and managing development teams, fostering collaboration, and driving successful project delivery using Agile methodologies.
- Expertise in designing application architecture, integrating critical modules, and implementing CI/CD pipelines using Azure DevOps.
- Strong understanding of Domain-Driven Design (DDD) and experience in building scalable and maintainable systems.
- Hands-on experience with various tools and technologies, including Git, RabbitMQ, Apache Solr, Entity Framework, and CI/CD tools like Jenkins and Git Actions.
- Proven ability to perform requirements analysis, design, coding, testing, and performance tuning to ensure high-quality software solutions.
- Recognized with a spot award for best performance, demonstrating a commitment to excellence and delivering outstanding results.

Career Timeline

Mar 2022 - Present	Principal Software Engineer Baxter Innovations & Business Solutions Pvt Ltd
Dec 2020 - Mar 2022	Team Lead TietoEvry India
Oct 2013 - Dec 2020	Team Lead Ejeeva Technologies
Jun 2010 - Sep 2013	Software Engineer and UI Developer SYNEITY TECHNOSOLUTIONS

Work Experience

Mar 2022 - Present	Principal Software Engineer Baxter Innovations & Business Solutions Pvt Ltd (Bengaluru, India)
	Requirements Analysis, Designing, architecture and integration, Coding, Unit testing, Developer testing, Performance tuning, Code review and merge, Feature lead for IQEG gateway software.

Soft Skills

- Leadership
- Collaboration
- Communication
- Problem-solving
- Adaptability

Technical Skills

Cloud Services	██████████
Microservices	██████████
Kubernetes	██████████
Docker	██████████
AWS	██████████
Azure	██████████
.NET Core	██████████
ReactJS	██████████
TypeScript	██████████
C#	██████████

Core Competencies

- Solution Architecture
- Software Development Lifecycle Management
- Team Leadership & Mentoring
- Cloud Infrastructure Management
- Agile Project Delivery

Education

- Computer Science and Engineering**
Govt. Engineering College Idukki,
Idukki
2006 - 2010

Languages

- English
- Malayalam
- Tamil

Hobbies

- Coding
- Technology
- System Design
- Problem Solving

Achievements

- Architected, designed, and integrated critical modules for the IQEG gateway, a software platform built on Baxter's digital health infrastructure to manage infusion pumps' firmware, BDL, and Wi-Fi network connectivity.
- Developed high-quality code, performed thorough unit testing, and conducted developer testing, ensuring robust functionality and minimizing defects.
- Optimized application performance through rigorous performance tuning, resulting in efficient resource utilization and enhanced user experience.
- Conducted comprehensive code reviews and managed code merging processes, maintaining code quality and facilitating seamless integration.
- Led feature development for the IQEG gateway, driving innovation and ensuring timely delivery of key functionalities.
- Employed .NET Core, C#, PostgreSQL, Docker, Kubernetes, Entity Framework, AWS, and Azure technologies to build scalable and reliable solutions.
- Awarded the Spot Award for Best Performance at Baxter, recognising exceptional contributions and commitment to excellence in software engineering.
- Baxl Award Dec 2025 Best Performance at Baxter, recognising exceptional contributions and commitment to excellence in software engineering.
- Be The Best Dec 2025 Best Performance at Baxter, recognising exceptional contributions and commitment to excellence in software engineering.

Achievements:

- Improved system performance and stability through optimized code and efficient resource management.
- Successfully delivered key features for the IQEG gateway, contributing to enhanced functionality and meeting project deadlines.
- Maintained high code quality through rigorous reviews and code merging processes, resulting in fewer defects and improved maintainability.

Dec 2020 - Mar 2022

Team Lead

TietoEvy India (Bengaluru, India)

React JS UI development, Code-Review, Unit test and E2E Test case writing, Performance tuning for CBRE's Host platform.

- Developed React JS UI components for CBRE's Host platform, transforming traditional property and facilities management services.
- Conducted comprehensive code reviews, ensuring code quality, adherence to standards, and knowledge sharing within the team.
- Designed and implemented unit tests and end-to-end (E2E) test cases, enhancing software reliability and reducing defects.
- Optimized React JS UI performance, improving application responsiveness and enhancing user experience.

Achievements:

- Achieved high levels of code quality and test coverage through rigorous code review and testing practices.
- Enhanced application performance and user experience through User Interface optimization techniques.

Oct 2013 - Dec 2020

Team Lead

Ejeeva Technologies (Bengaluru, India)

Designing, architecture and integration, Managing More than 5+ team, creating sprint backlog, co-ordination of development team, agile management, Deployment and Release management, Code Review & Merging, Management using TFS Azure DevOps for E-commerce application development.

- Designed, architected, and integrated key modules for a B2C and B2B E-commerce application built on ASP.NET MVC 5 and .NET Core, with a React JS/TypeScript client-side interface.
- Managed a team of 5+ developers, fostering collaboration and ensuring adherence to project timelines and quality standards.
- Created and maintained sprint backlogs, facilitating efficient task management and iteration planning within an Agile framework.
- Coordinated development efforts, ensuring seamless integration and alignment with project goals.
- Oversaw deployment and release management processes, ensuring smooth and reliable application updates.
- Conducted code reviews and managed code merging processes, maintaining code quality and consistency.
- Utilized TFS and Azure DevOps for task management, version control, and continuous integration/continuous deployment (CI/CD).

Achievements:

- Successfully delivered a scalable and robust E-commerce application that met business requirements and user expectations.

- Improved team productivity and efficiency through effective leadership, Agile practices, and streamlined development processes.

Jun 2010 - Sep 2013

Software Engineer and UI Developer

SYNEITY TECHNOSOLUTIONS (Cochin, India)

System Analysis, Design, Coding, User Interface development, Testing of a tour automation web application.

- Conducted system analysis, designed software modules, and developed code for a web application automating tour operations, accounting, management, and reporting for inbound and outbound tour operators.
- Developed user interfaces to facilitate automatic generation of itineraries and quotations, streamlining the tour planning process.
- Implemented testing procedures to ensure application quality and reliability.

Achievements:

Contributed to the development of a comprehensive tour management system, improving operational efficiency and customer service.

Projects

Baxter IQEG Gateway & CQI

- IQEG Gateway & CQI – .NET Core-based software integrated with Baxter's digital health platform to manage infusion pump firmware, BDL, and Wi-Fi connectivity.
- Role: Responsible for designing architecture, coding, unit testing, performance tuning, code reviews, and feature leadership.
- Utilized .NET Core, C#, PostgreSQL, Docker, Kubernetes, Entity Framework, AWS, and Azure to build and deploy a scalable solution.
- Focused on ensuring robust functionality, efficient resource utilization, and seamless integration with the existing platform.
- Ensured high-quality software solutions through comprehensive code reviews and testing processes.

CBRE Host Portal & Web

- CBRE Host Portal & Web - Enhanced user experience for CBRE's Host platform, transforming property and facilities management services.
- Role: UI Developer responsible for development, code reviews, unit testing, and performance tuning.
- Developed React JS-based User Interface components to manage property interactions.
- Employed ReactJS, PullState, ReactQuery, TypeScript, JavaScript, Docker, Cypress, FakerJS, Axios, and Storybook for User Interface development.
- Focused on creating performant and scalable User Interface solutions.

Dealer Portal

- Dealer Portal - Developed a B2C and B2B E-commerce application using ASP.NET MVC 5, .NET Core, React JS, and TypeScript following a repository design pattern with dependency injection.
- Role: Responsible for designing, architecture, integration, team management (5+ members), sprint backlog creation, agile management, deployment, release management, and code review.
- Implemented full-text search, highlighting, faceted search, and real-time indexing using Apache SOLR.
- Technologies: ASP.NET MVC 5, .NET Core, TypeScript, JavaScript, React JS, C#, MS SQL Server 2014, AWS RDS, AWS EC2, Bootstrap, Apache Solr, Entity Framework, and SASS.
- Managed project using TFS for source control and collaboration.

My Own Pool Store

- My Own Pool Store - Developed a B2C E-commerce application using ASP.NET MVC 4 and Apache SOLR
- Role: Responsible for system analysis, design, team management, build, and application deployment.
- Utilized ASP.NET MVC 4, C#, MS SQL Server 2008, Bootstrap, jQuery, Apache SOLR, and Entity Framework for development.
- Designed and deployed an e-commerce platform for pool supplies.

go4cinema.com

- go4cinema.com - Developed a movie ticketing solution website for Kerala using ASP.NET MVC 2.
- Role: Responsible for system analysis, design, coding, User Interface development, and testing.
- Technologies Used: ASP.NET MVC 2, C#, MS SQL Server 2008
- Implemented a platform for movie ticket sales and reservations.

Cartrac

- Cartrac - Developed a cab management system automating travel accounting processes.
- Role: Responsible for system analysis, design, coding, User Interface development, and testing.
- Technologies: ASP.NET MVC 3, C#, MS SQL Server 2008, Bootstrap, jQuery.

- Designed a comprehensive system handling various travel provider processes.

TourMast.com

- TourMast.com - Developed a web application automating tour operations, accounting, management, and reporting for inbound & outbound tour operators.
- Role: Responsible for system analysis, design, coding, User Interface Development, and testing.
- Technologies Used: ASP.NET MVC 3, C#, MS SQL Server 2008, Bootstrap, jQuery
- Implemented features such as automated itinerary generation and quotation creation.