

SACHIN BABANRAO SATAV

Senior Software Engineer

CONTACT

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JOB OBJECTIVE

Dynamic and accomplished Senior Software Engineer with a demonstrated track record of driving the successful development and delivery of complex applications.

Seeking a senior or lead software engineer position with a leading organization in the IT industry to apply my technical expertise, strategic mindset, and strong leadership abilities.

Committed to delivering innovative solutions and fostering collaborative environments to achieve exceptional results in application development.

With a passion for delivering high-quality results, I aim to collaborate with cross-functional teams, mentor engineers, and champion best practices to achieve project success and exceed client expectations.

CORE COMPETENCIES

Web Development

- **Full-stack Development:** Proficient in developing interactive and responsive web applications using ASP.NET Core, .NET, C#, Blazor, React, TypeScript, JavaScript, Next.js, CSS, Bootstrap, and Tailwind.
- **Backend Development:** Experienced in building robust and scalable backend systems using ASP.NET Core, .NET, C#, and Blazor.
- **Web Services and APIs:** Knowledgeable in designing and implementing RESTful APIs and utilizing service-oriented architectures (SOA).

Cloud Development

- **Containerization:** Knowledge of Docker for containerization to package and deploy applications across different environments.
- **Kubernetes:** Understanding of leveraging Kubernetes for container orchestration and managing scalable deployments in a cloud-native environment.
- **Infrastructure as Code:** Knowledgeable in using Terraform to provision and manage cloud infrastructure resources, enabling infrastructure automation and scalability.
- **Continuous Integration and Deployment:** Proficient in setting up and managing CI/CD pipelines using Azure DevOps, Git Repos, GitHub Actions, ensuring streamlined software delivery and deployment in cloud environments.

Software Development

- **Object-Oriented Programming:** Skilled in employing object-oriented programming methodologies to design and develop modular and maintainable software solutions.
- **SOLID Principles & Design Patterns:** Proficient in applying SOLID principles and design patterns to create scalable and maintainable software architectures.
- **Testing and Quality Assurance:** Experienced in implementing unit testing and integration testing using frameworks such as xUnit, MSTest, Moq, NSubstitute, Jest, and Cypress.
- **Authentication and Authorization:** Deep understanding of authentication and authorization mechanisms using OAuth, OpenID Connect, Okta, and Okta Workflows.

Database Development

- **SQL & ETL Development:** Skilled in database development using SQL and implementing ETL processes using SSIS (SQL Server Integration Services) for data integration and transformation tasks.

IT SKILLS

C#, ASP.NET Core, .NET, Blazor, Azure Functions
React, TypeScript, Next.js, CSS, Bootstrap, Tailwind
Azure DevOps – CI/CD, Git Repos, GitHub Actions,
Terraform, Docker, Kubernetes
xUnit, MSTest, Moq, NSubstitute, Jest, Cypress
OAuth, OpenID Connect, Okta, Okta Workflows
SQL Server, SSIS, Markit EDM

PROFILE

Highly skilled Software Engineer with an **Engineering degree in Information Technology** and a proven track record of **9+ years in Application Development & Support**. Proficiencies include:

Expertise in **ASP.NET Core, React, RESTful Web APIs, SQL, and C#** application development.

Strong ability to analyze and fulfill **comprehensive functional and non-functional requirements** for project excellence.

Solution-oriented mindset with a genuine **passion for software development and emerging technologies**.

Collaborative team player known for effective communication, problem-solving, and analytical prowess.

KNOWLEDGE

Software Development Life Cycle
Agile Methodology
SOLID Principles
Design Patterns
Cloud Computing
OAuth Standards 2.0
OWASP Security guidelines
Investment Domain
Healthcare Domain

CERTIFICATIONS

AZ-900 Microsoft Certified: Azure Fundamentals

AZ-204 Microsoft Certified: Developing Solutions for Microsoft Azure

WORK EXPERIENCE

KPMG UK – Senior Software Engineer

October 2021 – Present

Key Result Areas

Currently into application architecture, design, and development.

Contribute to project planning, estimation, and task breakdown.

Collaboration with stakeholders to gather and analyze software requirements.

Collaborate with Product Owners to understand their needs, provide updates on project progress, and address any concerns or issues that may arise.

Provide guidance, mentorship, and direction to a team of software developers.

Analyzing existing behavior of system and designing business critical solution based on requirement.

Highlights

Developed ASP.NET Core, React web apps.

Developed Azure Functions to process Service Bus message, Blob storage.

Developed online invoice payments system with Pay360.

Developed identity provider and proxy for integration with external identity providers.

Created Okta Workflows to sync users across various systems.

Provisioned and managed cloud infrastructure using Terraform.

Created CI/CD pipelines for regular delivery of products.

Created NuGet & NPM code libraries for reuse across business areas.

Found serious security vulnerability in custom identity provider and fixed it by coordinating and guiding all application teams.

Atos Syntel – Software Engineer

March 2014 – September 2021

Key Result Areas

Participate in the design, development, and implementation of complex software solutions.

Handling on-call interaction with client to establish business case justification.

Analyzing existing behavior of system and designing business critical solution based on requirement.

Developing proposed code changes to the system.

Migrating old applications to newer stack of technology and boosting performance.

Creating ETL batch jobs for data mastering and transformations.

Highlights

Developed ASP.NET Core MVC & Web API apps.

Developed SQL objects, ETL batches and written Autosys jobs.

Migrated old Classic ASP & ASP.NET webforms to ASP.NET Core MVC.

Performance improvement & Re-writing old batch jobs.

Key involvement in all phases of application development.

Support and maintenance of existing applications.

ACADEMIC DETAILS

Graduated with **Engineering Degree in Information Technology** from **University of Pune** in year **2013**.

LANGUAGES

English
Marathi
Hindi

INTERESTS

History
Chess
Video Editing
DIY stuff

PROJECTS UNDERTAKEN

KPMG UK – [Confidential]

February 2023 – Present

Building user and application migration capabilities in custom Identity Provider written with Identity Server & ASP.NET Core Web with SQL Server as backend to Okta and Azure AD. Also wrote an OAuth IDP proxy for specific authentication requirement that integrates with different IDPs and dynamically determines IDP to authenticate user depending on client app configuration.

Technologies

ASP.NET Core, Entity Framework Core, SQL Server, Azure DevOps for CI/CD, Swagger, Hangfire for background recurring jobs.

Responsibilities

Write technical stories after understanding requirements from product owners.

Design the system architecture and develop common patterns.

Review code considering OWASP standards.

Implementation as per modern OAuth standards.

KPMG UK – [Confidential]

March 2022 – January 2023

Azure functions for provisioning various system users into Okta and provisioning digital services such as SharePoint sites with access management. APIs to fetch required info from SharePoint and Graph APIs and React Micro-frontend for provisioning GUI.

Technologies

ASP.NET APIs, Azure Functions with Service Bus message processing, Okta, Single SPA React micro-frontend, SharePoint PnP Core.

Responsibilities

Understanding the problems and clearly define the purpose and goals of the system.

Design the application's user interface and experience (UI/UX).

Determine appropriate technology stack based on the application's requirements, scalability needs.

Plan the deployment strategy for the system, infrastructure requirements.

KPMG UK – [Confidential]

October 2021 – February 2023

Online payment system for clients to pay their invoices. Azure functions to process invoice feed and data load in database.

Technologies

ASP.NET Core, React, SQL Server, Azure Functions, Service Bus, Blob Storage

Responsibilities

Develop the application with modularity in mind.

Write clean, well-structured, and maintainable code following best practices and coding standards.

Develop and execute unit tests, integration tests, and system tests to ensure software functionality, reliability, and performance.