Lalit Rajput

Senior Software Developer

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SUMMARY

I am a **senior software developer** having more than **10 years** of experience in backend development. I am highly experienced in developing and architecting small to enterprise-level applications with complete knowledge of legacy technologies to all the latest ones in the market.

I hold **MCA** in Computer Science and have a good knowledge of an application life cycle starting from scratch to delivery (design, implementation, debugging, testing and deployment).

Development is one of my greatest skills and I have incredible attention to detail and perseverance in getting the job done well. I enjoy new challenges and am always open to new opportunities

WORK EXPERIENCE

Senior Solutions Architect

Nomor AB

📅 Jan **2023**

- Led the migration project for the Pest Control, Food Safety, and House Inspection system at Nomor AB.

- Successfully migrated the existing system from F# MVC, MSSQL, Pyramid, jQuery, and JavaScript to a new architecture using C# and .NET Core in the backend.

- Revamped the user interface using ASP.NET Core MVC, improving the overall user experience and modernizing the system's frontend.

- Collaborated with stakeholders to gather requirements, analyze existing functionalities, and design an efficient migration plan.

- Leveraged C# and .NET Core to develop robust backend functionalities, ensuring seamless data retrieval, processing, and storage.

- Integrated Power BI reports into the system, providing insightful data visualization and reporting capabilities for clients and internal users.

- Implemented efficient data handling and storage using MSSQL, ensuring data integrity and optimized performance.

- Conducted thorough testing and debugging, promptly addressing issues and optimizing system performance during the migration process.

- Collaborated closely with the UI/UX team to design and implement a user-friendly and intuitive interface using ASP.NET Core MVC.

- Assisted in the deployment of the new system, ensuring a smooth transition and minimal disruption to daily operations.

- Played an active role in post-migration support, addressing user feedback and continuously enhancing system functionality.

- Acquired valuable experience in working with a diverse set of technologies, including F# MVC, MSSQL, Pyramid, jQuery, JavaScript, C#, .NET Core, Power BI, React, NextJs, VueJs, NestJs, Flutter, Azure, AWS.

- Contributed to improving the efficiency and effectiveness of Nomor AB's pest control, food safety, and house inspection services through the successful migration and modernization of the system.

- Technologies: F# MVC, MSSQL, Pyramid, jQuery, JavaScript, C#, .NET Core, Power BI, ASP.NET Core MVC, React, NextJs, VueJs, NestJs, Flutter.

Senior Architect

Cforia

📅 Mar **2020** - Dec **2022**

- Developed and implemented the Customer Portal and Cash APP as a crucial part of Cforia's product suite.

- Utilized C#, .NET Core, and MSSQL to design and deliver robust backend functionalities, including user authentication, data retrieval, and processing.

- Employed Angular and Blazor frameworks to create responsive and interactive front-end components, resulting in an enhanced user experience.

- Utilized Telerik controls to design visually appealing and user-friendly interfaces, facilitating easy account access and management for customers.

- Leveraged Lambda expressions and Linq for optimized data processing and querying, improving performance and response times.

- Implemented automated tests using K6, ensuring stability and reliability of the Customer Portal and Cash APP.

- Collaborated closely with cross-functional teams, including product managers, UI/UX designers, and QA engineers, to deliver high-quality software solutions.

- Conducted thorough code reviews, testing, and promptly addressed bugs and issues to ensure a seamless user experience.

- Gained valuable experience in working with a wide range of technologies and frameworks, strengthening full-stack development expertise.

- Technologies: NodeJS, React Native, C#, MSSQL, Lambda expressions, Linq, Angular, Blazor, Telerik controls, K6 test, .NET Core

Senior Software Developer

Social27

📅 Jan **2019** - Feb **2020**

- Developed Social27's AI Assist tool, revolutionizing event planning and execution

- Enabled event planners to create successful events 10 times faster with comprehensive workflows and customized templates

- Contributed to the ROI Driven Event Platform, supporting virtual, hybrid, and in-person events

- Integrated intent signals for recommendations and buyer-seller matchmaking

- Stream Studio introduced for live, simu-live, and pre-recorded streams with multi-language support

- Implemented easy build feature for intuitive event creation and deep analytics insights

- Prioritized security, compliance, and scalability in an enterprise-ready approach

- Adapted platform for in-person events with seamless check-in and secure content access control

- Developed user-friendly mobile app with interactive maps, branding, lead capture, and retrieval

- Proficient in C#, Azure, AWS, Power BI, MS SQL, MongoDB, Angular, Blazor, Azure AD, Okta, SAML

- Experienced with Azure services including Service Bus, Notification Hub, and Email

Senior Software Developer

APCOA PARKING Holdings GmbH

📅 Feb **2017** - Dec **2018**

- Collaborated as a key member of the development team on the "Easy Payment for EV" product and others at APCOA PARKING Holdings GmbH.

- Leveraged a diverse tech stack including Node.js, C#, gRPC, MongoDB, Nets.eu Payment Gateway, React, ReCoil, and Azure AD.

- Designed and implemented a seamless solution that revolutionized the parking experience for electric vehicle (EV) owners.

- Utilized Node.js to build scalable and real-time backend services, while C# and gRPC facilitated secure communication between system components.

- Employed MongoDB, a NoSQL database, for efficient data management and handling complex parking, payment, and user profile information.

- Integrated Nets.eu Payment Gateway to enable secure and user-friendly transactions for EV parking payments.

- Developed the front-end using React and implemented ReCoil for efficient state management and optimized performance.

- Integrated Azure AD for secure authentication and authorization, ensuring user account and data protection.

- Embraced DevOps practices throughout the project, utilizing Azure DevOps for source code management, automated builds, and deployment pipelines.

- Achieved a streamlined development process, enabling continuous integration, automated testing, and faster feedback loops.

- Resulted in an exceptional user experience, simplifying the parking and payment process for EV owners.

- Provided an intuitive, responsive, and device-optimized user interface, delivering a consistent experience across platforms.

Principal Software Engineer

Tata Consultancy Services

📅 Jan **2014** - Jan **2017**

- Developed modules, libraries, and features in Internal SDKs using C# and NodeJS at Tata Consultancy Services.
- Migrated Silverlight project to ASP.NET MVC, enhancing performance and maintainability.
- Implemented WEB.API integrations for seamless communication between systems using Dotnet and NodeJS.
- Created a recommendation tool based on user details, utilizing custom logic and Cognitive Services like Microsoft Face API.
- Developed a Facebook Chatbot with language, face, age, gender, and emotion recognition using NodeJS, Express.js, Cognitive Services, and API.AI.
- Leveraged Azure for scalable deployment and hosting of the recommendation tool and Chatbot.
- Collaborated with stakeholders to gather requirements and design robust architectures.
- Conducted thorough testing and participated in code reviews for adherence to standards and optimizations.
- Troubleshoot and resolved issues promptly, ensuring smooth system operations.
- Gained expertise in C#, Dotnet, ASP.NET MVC, WEB.API, Silverlight, NodeJS, Express.js, Cognitive Services, API.AI, and Azure.
- Contributed to successful development, migration, and implementation of software solutions.
-Tech: C#, Dotnet, ASP.NET MVC, WEB.API, Silverlight, NodeJS, Express.js, Cognitive Services, API.AI, Azure

In my role at Tata Consultancy Services, I worked on Dotnet and NodeJS development, Silverlight to ASP.NET MVC migration, and created a recommendation tool and Facebook Chatbot. This experience showcases my technical skills, collaborative approach, and contribution to successful software solutions.

Software Engineer

Accenture

📅 Jan **2011** - Dec **2013**

- Developed and contributed to multiple parallel items, including Ref Data Utility, Angular code, Smart Automation OLEDB code, and more, at Accenture.
- Played a crucial role in UI design, application flows, sequence diagrams, and prototypes, ensuring a seamless and user-friendly experience.
- Utilized and worked on Mobile application APIs to enhance the functionality and integration of frontend applications.
- Leveraged the Asp.Net Web API framework of .NET for developing efficient backend services.
- Developed and executed unit and integration test cases using .NET framework, ensuring the quality and reliability of the software.
- Collaborated with cross-functional teams to gather requirements, analyze business needs, and design robust architectures for various projects.
- Actively participated in code reviews, ensuring adherence to coding standards and best practices.
- Conducted thorough testing and debugging, promptly addressing issues and ensuring optimal performance of the developed applications.
- Acquired expertise in the Asp.Net Web API framework and .NET development, enhancing backend services and overall software functionality.
- Contributed to the successful development and delivery of projects, meeting client expectations and achieving project objectives.

- During my tenure at Accenture, I had the opportunity to work on various parallel items such as Ref Data Utility, Angular code, Smart Automation OLEDB code, and more. I also played a significant role in UI design, application flows, sequence diagrams, and prototypes. My experience involved working with Mobile application APIs and utilizing the Asp.Net Web API framework for backend services. By actively collaborating with cross-functional teams and applying best practices, I contributed to the successful delivery of projects and the achievement of project objectives.

EDUCATION

Master of Computer Applications (M.C.A.), Computer science

IMS Engineering College

Bachelor of Engineering (B.Eng.), Computer science

IMS Engineering College

SKILLS

NodeJS, ExpressJS, Fastify, NestJS, Elastic Search	100%	C#, .NET, .NET Core, REST API, .Net Core grpc	100%
JavaScript, JQuery, Vanila JS, TypeScript	100%	AWS (EC2, RDS, S3, SQS, SNS, SES, CloudFront, IAM, Cognito, Beanstalk, Lambda, CloudFormation, Serverless.com, Terraform)	100%
Azure (Blob Storage, Functions, Notification Hubs, AD, DevOps, AKS, App Service, Logic Apps, Data Lake Storage, Data Factory)	100%	RabbitMQ, Azure Service Bus, Kafka	100%
Flutter, React Native, Dart, Unity, Android, iOS, Swift	100%	Jest, Mocha, Chai, Sinon.JS, Cypress	100%
NPM, Yarn	100%	GraphQL, Apollo Server	100%
Visual Studio, VS Code	100%	Git, KDiff, GitHub, GitLab, Bitbucket, SVN, Tortoise	100%
JIRA, AHA, Trello, ClickUp	100%	PHP, Laravel, Symfony	100%
Shopify	100%	Docker, Kubernetes, CI/CD	100%
Angular, React, VueJS, NextJS, NuxtJS	100%	Blockchain, Solidy, Defi, Rust	100%
AWS, Azure, Google cloud platform	100%	MongoDB, CosmosDB, DocumentDB, SequelizeJS, PrismaJS, Cassandra, DynamoDB	100%
Java	100%	MySQL, MSSQL, PostgreSQL	100%
WordPress, Plugins, Themes	100%	Python, Django, Flask, Pyramid, Web2py, FastAPI	100%
SOLID, MVC, MVVM Patterns	100%		

PROJECTS

Microservices - Collabhealth

Collabhealth is a platform for different stakeholders in a hospital. The platform offers every stakeholder an individual view on his or hers data and tasks, controlled by the login. The sensitivity of the data demands a two face authentication, user name and password and SMS.

There are five topics, which are covered with Collabhealth:

1. Collaboration by personalised information

2. Resource planning

3. Business Performance with balanced Scorecards for the management

4. Clinical Outcome

5. Patient History & Decision Support

The platform has to be designed for all possible devices (mobile phone, iPad, laptop) and a fingerprint authentication is possible.

The backend logic has to be horizontal scalable and absolutely robust as well as performant.

Architecture Overview
The architecture of Collabhealth follows a service oriented architecture with a NoSQL-Database. This means that the whole architecture has the constraint of the CAP-Theorem. Design principle must take care, that the latency is minimal whenever needed.
(CAP-Theorem or Brewer-Theorem: Consistency, Availability and Partition tolerance)

Technology
In this project, multiple technologies have been used. Some of them are NodeJS, MongooseJS, MongoDb, AWS, Elastic Search etc

Several key features that make Collabhealth an efficient and secure platform for hospital stakeholders. One of the notable features is the integration of **Elastic Search**, a powerful search and analytics engine, which enhances data retrieval and analysis capabilities.
As a developer on the Collabhealth project, I gained hands-on experience with Elastic Search. Here are some highlights of my Elastic Search experience:
• Implemented Elastic Search as a search engine within the Collabhealth platform, allowing users to quickly search and retrieve relevant data from large datasets.
• Configured and optimized Elastic Search indices to improve search performance and ensure efficient data indexing.
• Designed and implemented advanced search functionalities, such as faceted search, fuzzy search, and autocomplete, to enhance the user experience and make data discovery more intuitive.
• Collaborated with the backend team to integrate Elastic Search APIs and queries into the application's data access layer, enabling seamless interaction between the frontend and backend components.
• Worked on data mapping and modeling to ensure the accurate indexing and retrieval of data across multiple entities and relationships within the Collabhealth system.
• Performed performance tuning and optimization techniques, such as query caching, index optimization, and shard management, to ensure optimal search performance and scalability.
• Implemented security measures, such as role-based access control and data encryption, to ensure the confidentiality and integrity of sensitive data stored and retrieved through Elastic Search.

Ladbrokes - UK

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Betting Company

Technology

In this project, multiple technologies have been used. Some of them are C#, Microsoft SQL Server, .NET MVC, .NET MVC Web API, Elastic Search etc

A prominent betting company in the UK, I had the opportunity to work on integrating Elastic Search into the company's platform. Here are the details of my **Elastic Search** experience in the Ladbrokes project:
• Integrated Elastic Search as a key component of the Ladbrokes platform, providing powerful search and analytics capabilities to enhance the user experience and enable efficient data retrieval.
• Configured and optimized Elastic Search indices to ensure fast and accurate search results across large datasets containing various types of betting-related information.
• Implemented advanced search features, such as filtering by odds, event types, and betting markets, to allow users to easily discover relevant betting options based on their preferences.
• Collaborated with the backend team to integrate Elastic Search APIs and queries into the Ladbrokes platform, enabling seamless communication between the frontend and backend systems.
• Developed custom search functionalities, including autocomplete suggestions, search result ranking algorithms, and filtering options, to improve search accuracy and usability.
• Implemented real-time updates and notifications using Elastic Search's near real-time indexing capabilities, allowing users to receive up-to-date information about ongoing events and changes in odds.
• Worked on data mapping and modeling to ensure accurate indexing and retrieval of data, including information about events, odds, user preferences, and betting history.
• Utilized Elastic Search's aggregation and analytics capabilities to provide insights into user behavior, popular betting trends, and performance metrics for different betting markets.
• Implemented security measures, such as access control and data encryption, to protect sensitive user information stored and retrieved through Elastic Search.

Customer Portal and Cash APP Development

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- Developed and implemented the Customer Portal and Cash APP, integral components of Cforia's product suite.
- Designed and delivered robust backend functionalities using C#, .NET Core, and MSSQL, including user authentication, data retrieval, and processing.
- Created responsive and interactive front-end components utilizing Angular and Blazor frameworks, enhancing the user experience.
- Utilized Telerik controls to design visually appealing and user-friendly interfaces, simplifying account access and management for customers.
- Optimized data processing and querying by leveraging Lambda expressions and Linq, resulting in improved performance and faster response times.
- Ensured stability and reliability of the Customer Portal and Cash APP through the implementation of automated tests using K6.
- Collaborated closely with cross-functional teams, including product managers, UI/UX designers, and QA engineers, to deliver high-quality software solutions.
- Conducted thorough code reviews, testing, and promptly addressed bugs and issues to ensure a seamless user experience.

- Acquired valuable experience working with NodeJS, React Native, C#, MSSQL, Lambda expressions, Linq, Angular, Blazor, Telerik controls, K6 test, and .NET Core.
- Strengthened full-stack development expertise by utilizing a wide range of technologies and frameworks in the project.

This project details highlights your involvement in developing and implementing the Customer Portal and Cash APP at Cforia. It showcases your utilization of various technologies and frameworks, along with your collaboration with cross-functional teams to deliver high-quality software solutions.

Social27's AI Assist Tool for Revolutionizing Event Planning and Execution

- Led the development of Social27's AI Assist tool, a groundbreaking solution that transformed the landscape of event planning and execution.
- Empowered event planners to create successful events in a fraction of the time, leveraging comprehensive workflows and customized templates.
- Played a key role in the development of the ROI Driven Event Platform, enabling seamless execution of virtual, hybrid, and in-person events.
- Integrated intent signals to provide personalized recommendations and facilitate buyer-seller matchmaking, enhancing attendee experiences and driving engagement.
- Introduced Stream Studio, a cutting-edge feature supporting live, simu-live, and pre-recorded streams, with multi-language support for a global audience.
- Implemented an easy build feature, simplifying event creation while providing deep analytics insights for data-driven decision-making.
- Prioritized security, compliance, and scalability, ensuring an enterprise-ready approach and meeting the needs of diverse client requirements.
- Adapted the platform for in-person events, seamlessly integrating features like check-in and secure content access control.
- Developed a user-friendly mobile app with interactive maps, branding capabilities, lead capture, and retrieval functionalities.
- Proficient in utilizing technologies such as C#, Azure, AWS, Power BI, MS SQL, MongoDB, Angular, Blazor, Azure AD, Okta, and SAML.
- Utilized Azure services, including Service Bus, Notification Hub, and Email, to enhance the functionality and performance of the platform.

This project description highlights your instrumental role in developing Social27's AI Assist tool, revolutionizing event planning and execution. It emphasizes the innovative features and capabilities you contributed to, as well as your proficiency in various technologies and services.

Easy Payment for EV at APCOA PARKING Holdings GmbH

- Collaborated as a key member of the development team on multiple projects, including the "Easy Payment for EV" product, at APCOA PARKING Holdings GmbH.
- Utilized a diverse tech stack encompassing Node.js, C#, gRPC, MongoDB, Nets.eu Payment Gateway, React, ReCoil, Azure AD, Flutter, and React Native.
- Designed and implemented a seamless solution that revolutionized the parking experience for electric vehicle (EV) owners.
- Developed mobile applications using Flutter and React Native, providing a consistent and optimized user experience across different platforms.
- Employed Node.js to build scalable and real-time backend services, ensuring efficient handling of parking-related data and delivering responsive mobile app functionalities.
- Leveraged C# and gRPC for secure communication between system components, guaranteeing data integrity and privacy in the mobile applications.
- Utilized MongoDB, a NoSQL database, for efficient data management, enabling seamless integration of complex parking, payment, and user profile information.
- Integrated Nets.eu Payment Gateway to facilitate secure and user-friendly transactions for EV parking payments within the mobile applications.
- Developed the front-end using React, React Native, and Flutter, delivering intuitive and visually appealing user interfaces.
- Implemented ReCoil for efficient state management, optimizing performance and enhancing user interactions in the mobile applications.
- Integrated Azure AD for secure authentication and authorization, ensuring the protection of user accounts and data across all platforms.
- Embraced DevOps practices throughout the project, utilizing Azure DevOps for source code management, automated builds, and deployment pipelines.
- Achieved a streamlined development process, enabling continuous integration, automated testing, and faster feedback loops for the mobile applications.
- Resulted in an exceptional user experience, simplifying the parking and payment process for EV owners through the mobile applications.
- Provided intuitive, responsive, and platform-optimized user interfaces, delivering a consistent experience across web and mobile platforms.

This project description highlights your involvement in the development of the "Easy Payment for EV" product and other projects at APCOA PARKING Holdings GmbH. It emphasizes the utilization of diverse technologies, including Node.js, C#, gRPC, MongoDB, Nets.eu Payment Gateway, React, ReCoil, Azure AD, Flutter, and React Native, to deliver seamless mobile applications and revolutionize the parking experience for electric vehicle owners.

MOST PROUD OF

Physical Organization
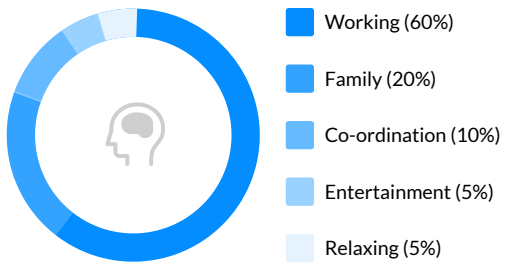Creative Thinking, Effectiveness, Productivity

Planning
Analyzing Issues, Decision Making, Project Management, Strategic Planning

Team Work
Collaboration, Delegation, Goal Setting, Group Leadership

MY TIME

- Working (60%)
- Family (20%)
- Co-ordination (10%)
- Entertainment (5%)
- Relaxing (5%)

HOBBIES

Swiming   Reading   Cricket