

# RIYAS PADIKKATHAZHA

## Senior Software Engineer

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

### PROFESSIONAL SUMMARY

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A results-driven **Senior Software Engineer** with over **10 years** of experience specializing in modern web technologies, including the **MERN** stack (MongoDB, Express.js, React, Node.js) and **PHP (Laravel)**. Proven track record of driving successful software development lifecycles and delivering scalable, high-quality solutions.

- **Extensive experience** in building and optimizing web applications using **React, Node.js, Laravel, and Next.js**.
- **Skilled in implementing RESTful APIs** and integrating third-party services, including **payment gateways**.
- **Expert in database design and optimization**, with hands-on experience in **MySQL, PostgreSQL, MongoDB, and Firebase**, leading to more efficient queries and improved application performance.
- **Proficient in AWS Cloud Services** (EC2, S3), leveraging cloud technologies for scalability, certified **AWS Cloud Practitioner (CLF-C02)**.
- Strong understanding of **SOLID principles, OOP concepts, and Software Design Patterns** to architect **maintainable and scalable full-stack applications**.
- Experienced in **Agile methodologies, SCRUM**, and modern development workflows including **CI/CD pipelines, TDD, and unit testing**.
- **Leadership skills** with a track record of mentoring junior developers, overseeing both front-end and back-end teams to maintain **code quality** and ensure timely delivery.

### TECHNICAL SKILLS

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- **Languages:** JavaScript, PHP, SQL, Typescript
- **Backend:** Node.js, Express.js, Laravel, Next.js
- **Front-end:** React.js, Next.js, jQuery, HTML5, CSS3, Tailwind, Bootstrap, Webpack, Redux, npm
- **Database:** MySQL, MongoDB, DB2, PostgreSQL, Firebase, Redis, ORMs
- **DevOps/Cloud:** AWS (EC2, S3), Docker, GitLab CI, GitHub Actions, Apache
- **Testing tools:** PHPUnit, Jest
- **Tools:** Git, Postman, VSCode, JIRA, Confluence, Trello
- **OS:** Linux, Windows

### EXPERIENCE

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#### Senior Software Engineer - Mideast Data Systems, UAE (Aug 2023 - Jan 2024)

- Engineered a high-speed single-page web app using React.Js, Laravel, and NextJS, significantly cutting page load times
- Improved overall application performance through strategic code refactoring and database query enhancements. Effectively addressed security threats in the current application, implementing robust measures to strengthen overall system security.

**Technologies & Tools:** Next.js, Laravel, ReactJS, JQuery Bootstrap, HTML5, CSS, MySQL.

#### Senior Software Engineer - IPStudios, UAE (Nov 2022 - Aug 2023)

- Revitalized an existing web project by migrating it from CMS to Laravel and React JS, achieving a 30% reduction in page load time

- Pioneered a NodeJS and React-based Proof of Concept (POC) for HR Management System, delivering a 15% improvement in process efficiency.

**Technologies & Tools:** Laravel, NextJS, React.js, CouchCMS, jQuery,, Next.js, Bootstrap, HTML5, CSS, MySQL

**Senior Software Engineer - Sacoor Brothers, UAE (Nov 2021 - Feb 2022)**

- Collaborated on the development of the Stock Replenishment Module, fostering teamwork and providing peer guidance to enhance overall project efficiency
- Automated the sending of marketing emails and SMS, increasing company revenue by 15%

**Technologies & Tools:** PHP, Laravel, MySQL

**Senior Software Engineer- Krews Ltd, Abu Dhabi, UAE (Dec 2019 - Sep 2021)**

- Helped the organization to build better architecture for the system B2B and B2C Web projects using Laravel from the base for the startup which includes Database design and performance tuning and implementing best practices
- Collaboratively worked with the team on the B2C Online Ticket booking system which connects to B2B projects.

**Website:** [gportal.io](http://gportal.io)

**Technologies & Tools:** Laravel, React, Lumen, NodeJs, MySQL, and Firebase.

**Senior Software Engineer - Contracting Plus India Pvt Ltd, India (Aug 2017 – Sep 2019)**

- Designed and developed new features that improved user experience and increased company revenue by attracting 30% more clients to file tax returns through the company portal.
- Participated in agile development sprints, contributing to the successful deployment of a scalable web application that leveraged cloud technologies to enhance performance and user experience

**Website:** [taxreturnsplus.com](http://taxreturnsplus.com)

**Technologies & Tools:** Laravel, MySQL, Core PHP

**Technical Lead - National Informatics Center (NIC), India (Oct 2013 – Aug 2017)**

- Led the development of a high-impact **Fintech system** for the **Kerala Government Treasury**, managing financial transactions for over **500,000 government employees** across savings accounts, fixed deposits (FD), and PTSB (Provident Treasury Savings Bank).
- Managed a team of developers to optimize database architecture using **DB2**, improving salary processing speed by **80%**.
- Automated savings account transactions while ensuring data security and system scalability, significantly reducing manual efforts and enhancing accuracy in financial operations.
- Collaborated with government officials to deliver a system that streamlined payroll processing for employees.

**Website:** [tsbonline.kerala.gov.in](http://tsbonline.kerala.gov.in)

**Technologies & Tools:** Laravel, CodeIgniter, Symfony, Android, Core Java, MySQL

**IT Officer - Department of Animal Husbandry Kerala, India (Oct 2011 – Oct 2013)**

- Implemented the Animal movement management module
- Have conducted User training sessions for software usage

**Technologies & Tools:** PHP, MySQL

**Software engineer - Carmine Technologies Pvt. Ltd, India (Dec 2010 – Oct 2011)**

- Took charge of gathering user requirements for seamless system integration
- Designed and implemented the Normal Value Entry and Test Entry modules,

**Technologies & Tools:** .Net, C#, PHP, Mysql, Crystal Reports

## PERSONAL PROJECTS

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- **Portfolio Website** (*Next.js, React, TypeScript, Tailwind, Framer Motion*)  
Built a fully responsive and animated personal portfolio to showcase projects and skills.  
[View Live](#)
  - Technologies Used: Next.js, React, TypeScript, Tailwind CSS, Framer Motion.
  - Implemented smooth animations and interactive UI using Framer Motion.
  - Designed for fast load times and mobile responsiveness.
  - Used TypeScript for type safety and enhanced code quality.
- **Markdown Blog Post** (*Express.js, MongoDB, Tailwind CSS*)  
Developed a dynamic blog post application utilizing Express.js, MongoDB, and Tailwind CSS. The project includes the following features:
  - Create, Edit, and Delete Posts: Users can manage their blog content with functionalities to create, update, and remove Markdown blog posts.
  - Markdown to HTML Rendering: Markdown content is parsed and rendered as HTML for clear and readable display.
  - Database Integration: MongoDB is employed to securely store and manage blog post data.
- **Recipe Hub** - Recipe Sharing Platform(*Next.js, SQLite, better-sqlite3, Tailwind CSS*)  
Recipe Hub is an interactive platform designed for food enthusiasts to share their favorite recipes and explore new culinary delights. Users browse a diverse collection of recipes and contribute their own culinary creations.  
[View Live](#)
  - Share personal recipes with the community.
  - Browse and discover a wide variety of dishes.

## EDUCATION

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**Master of Computer Application(MCA)- College of Engineering Trivandrum**

## CERTIFICATIONS

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- **AWS Certified Cloud Practitioner** – Amazon Web Services (AWS)  
*Issued: Mar 2024 | Expires: Mar 2027*  
[Show Credential](#)
- **Introduction to DevOps** – IBM  
*Issued: Mar 2024*  
[Show Credential](#)