koteeswaran Ramachandran

Full Stack Web Developer

👤 Profile

With over 14 years of extensive experience in full stack development, I have honed my expertise in a wide array of technologies, including Node.js, JavaScript, TypeScript, Angular, PHP, MySQL, PostgreSQL, MongoDB, Ruby on Rails, and Python. My career has been marked by a dedication to seamlessly integrating frontend and backend systems to deliver robust, scalable, and user-friendly applications.

In my current role at Sixt as a Senior Full Stack Developer, I specialize in developing and optimizing both frontend and backend code. My experience with Node.js and API integrations with Salesforce has enabled me to build efficient middleware components and streamline authentication processes. Leveraging technologies like Lightning Web Components (LWC) and D3.js, I have delivered critical solutions for data visualization and exchange.

Throughout my career, I have consistently prioritized security, scalability, and collaboration. My proficiency in PHP and Python has allowed me to develop dynamic web applications and backend services, while my skills in MySQL, PostgreSQL, and MongoDB have ensured efficient data management and storage solutions. Additionally, my experience with Angular and Ruby on Rails has equipped me to create responsive, high-performance web applications.

Staying abreast of technological advancements is central to my professional ethos, ensuring that the solutions I develop not only meet but exceed the dynamic needs of users and industry standards. My commitment to continuous learning and innovation drives the delivery of high-quality, secure, and scalable systems, fostering business success and user satisfaction.

💼 Employment History

Software Developer II at SIXT Autovermietung, München

April 2016

- Led the development of responsive user interfaces for multiple web applications using LWC Salesforce, React, Angular, Node.js, and Ruby on Rails.
- Collaborated with UX designers, back-end developers, and QA engineers to deliver high-quality software.
- Conducted code reviews, provided technical guidance, and mentored junior developers.
- Implemented unit testing, continuous integration, and code analysis tools.

Details

Tölzer Str, 10
München, 81379
Germany
015211549626
kodee.ramachandran@gmail.com

Links

Blog
Github
LinkedIn

Skills

Typescript

Angular

NodeJS

MongoDB

Bootstrap

Python

SQL

Docker

PHP

jQuery

React

Git

MySQL

HTML,CSS,Javascript

Nest js

kubernetes

ELK

AWS

Heroku

Key Projects:

- **HR Tool:** Developed a leave management system and cost center hierarchy.
- **Planning Tool:** Designed a budgeting tool for cost centers.
- **Deal Management:** Created a system for generating deals for B2B customers and sending digital contracts through DocuSign.
- **Account Management:** Managed all account-related data.
- **Account Dashboard:** Developed a dashboard displaying account revenue data.
- **Booking View Tool:** Displayed rent and ride information in various charts with filters.
- **Sales Rep Ticketing Tool:** Created a tool for sales reps to request ELK help or report application issues.
- **Rate Extension Tool:** Developed a tool to extend the validity of rate codes in Salesforce.
- **Create Account Process Tool:** Streamlined the process for creating new accounts.
- **Salesforce Lightning Custom Layout Dashboard:** Designed the Salesforce Lightning home page with charts.
- **Reusable Lightning Web Components:** Created components used across all Lightning projects, significantly reducing development time.
- **Web App for Rate Sheet Generation:** Developed a web app for generating visually rich rate sheets.
- **B2B Signup App:** Enabled B2B customers to sign up for discounted prices.
- **B2B Travel Agency App:** Designed a dedicated app for travel agencies.
- **Damage Setting App:** Managed damage settings.
- **Sixt Profile Create and Manage:** Developed an app for creating and managing Sixt profiles.
- **Hydra Lead Management:** Managed leads using the Hydra tool.
- **Location Matching for Delivery and Collection:** Matched locations for vehicle delivery and collection.
- **Dynamic Rates for Deal Management:** Created a system for dynamic rate management in deals.

Lead Engineer at HCL Technologies, Chennai
February 2014 — April 2016

- Designed and developed user interfaces for multiple e-commerce websites using HTML, CSS, JavaScript, Angular, Salesforce, and Backbone.
- Optimized page load times, improved accessibility, and ensured cross-browser compatibility.
- Worked closely with UX designers to create engaging and intuitive user experiences.
- Contributed to the development of internal UI frameworks and component libraries.

Senior Software Engineer

Postgress

MySql

MangoDB

Sedin Technologies, Chennai *August 2012 - February 2014*

- Developed and maintained multiple web applications using Ruby on Rails, JavaScript, and MySQL, PostgreSQL databases.
- Collaborated with cross-functional teams, including UX designers, back-end developers, and QA engineers.
- Designed and implemented RESTful APIs, optimized database queries, and improved application performance.
- Conducted code reviews, provided technical guidance, and mentored junior developers.

Senior Software Engineer at Sedin Technologies, Chennai

August 2012 — February 2014

- Developed and maintained multiple web applications using Ruby on Rails, JavaScript, and MySQL, PostgreSQL databases.
- Collaborated with cross-functional teams, including UX designers, back-end developers, and QA engineers.
- Designed and implemented RESTful APIs, optimized database queries, and improved application performance.
- Conducted code reviews, provided technical guidance, and mentored junior developers.

🎓 Education

Master of computer application, Madras University, Chennai

June 2006 — May 2009

Graduate with First-Class Master of Computer Application

Highly motivated and accomplished computer science professional with a first-class Master of Computer Application (MCA) degree. Equipped with a robust foundation in software development, systems analysis, and application design, I possess strong technical skills and a keen analytical mindset. Proficient in multiple programming languages and development frameworks, with hands-on experience in developing and deploying innovative solutions.

Bachelor of science , madurai Kamaraj university, Madurai

June 2003 — May 2005

Graduate with First-Class Bachelor of Computer Science

Dedicated and knowledgeable computer science graduate with a first-class Bachelor of Computer Science degree. Possessing a strong foundation in software development, algorithms, and data structures, coupled with practical experience in designing and implementing software solutions. Skilled in various programming languages and development tools, and committed to continuous learning and professional development.

★ Project

Project: Web Push Notification Integration with Marketing Cloud using NestJS and Heroku

Objective: To develop a NestJS application hosted on Heroku that communicates with Salesforce Marketing Cloud to handle web push notifications. This application will manage subscriptions, generate unique web push IDs for browsers, store these IDs in a PostgreSQL database, and send push notifications to subscribed browsers.

Project Description:

In this project, I created a NestJS application deployed on Heroku to facilitate seamless communication with Salesforce Marketing Cloud for web push notifications. The key components of the project include:

1. **Subscription Management:**Users can subscribe to web push notifications via their browsers.
   Upon subscription, the application generates a unique web push ID for each browser.
2. **Database Integration:**The generated unique web push IDs are stored in a PostgreSQL database, ensuring secure and efficient data management.
3. **Communication with Marketing Cloud:**The NestJS application interacts with Salesforce Marketing Cloud to synchronize user data and manage notification campaigns.
   The application ensures that all necessary data for push notifications is accurately retrieved and updated in real-time.
4. **Sending Push Notifications:**The application sends web push notifications to the subscribed browsers using the stored unique IDs.
   Notifications are triggered based on predefined criteria and marketing campaigns managed in Salesforce Marketing Cloud.

Technical Stack:

- **Frontend:** JavaScript, HTML5, and Service Workers for managing web push notifications.
- **Backend:** NestJS framework for building the server-side application.
- **Database:** PostgreSQL for storing subscription data.
- **Cloud Platform:** Heroku for application deployment and scalability.
- **Integration:** Salesforce Marketing Cloud for managing and triggering push notifications.

Benefits:

- **Real-time Communication:** Users receive timely and relevant notifications directly in their browsers.
- **Efficient Data Management:** Secure and scalable storage of subscription data in PostgreSQL.
- **Enhanced User Engagement:** Improved user engagement through targeted marketing campaigns and push notifications.

This project demonstrates my ability to integrate modern web technologies with robust backend systems, providing a seamless user experience and efficient data management.