Praveen Rajamani

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SUMMARY

Results-driven and highly skilled Software Engineer with 1.5 years of professional experience developing robust and scalable software products and solutions. Strong foundation in software development principles and a proven track record of delivering high-quality products/features within deadline-driven environments. With a passion for problem-solving and a commitment to continuous learning, I am eager to contribute my expertise to a dynamic team and drive innovation in software engineering.

- Problem-Solving
- Adaptability
- Team Player
- Agile Practices
- Communication
- Time Management
- Proactive
- Self-Motivated
- Critical Thinking

EDUCATION

Master's degree

Advanced Computer Science
September 2021 - Present
University of Leicester
United Kingdom

Bachelor's Degree
Computer Science & Engineering
2016-2020
Dr MCET, Tamil Nādu, India

TECH STACKS

Front-end: HTML, CSS, JavaScript, Bootstrap
Back-end: LUA, Python, jQuery, Shell script
Databases: MySQL
IoT: Arduino, Raspberry Pi
Version Control: Git, SVN
Cloud: AWS, Basic GCP
Operating System: Linux
IDE: Visual Studio Code
UI Component: AdminLTE, Semantic UI.
Framework: django
API integration: Chart js, Stripe, Leaflet js.

PROFESSIONAL EXPERIENCE

CADONIX, Oxford, UK | www.cadonix.com | **1 yr**

I am associated with Cadonix, UK, in developing the world's first cloud-based CAD Tool. Has been part of the core product development team and is also developing add-on modules.

● Software Engineer

December 2022 – July 2023 (8 months)

- Understanding the requirements, designing, building, and implementing incremental changes to the product
- Played a pivotal role in developing Barcode and Manufacturing-related functionalities within CAD products.
- Leveraged functionalities using Lua, and JavaScript and integrated third-party Barcode Writer in PostScript to streamline the Design-to-Manufacturing process.
- Contributed significantly to the product's utility for clients in the manufacturing industry.
- Conducted in-depth debugging and troubleshooting of software defects, utilising critical thinking and problem-solving skills to identify root causes and implement effective solutions
- Automate the installation of customer instances when a new customer onboards and update the license automatically upon support renewal.
- Building an automatic trigger system for abnormal behaviours in the customer server's backup size and S3 bucket.
- Collaborated with customer support teams to investigate and address client-reported issues, ensuring timely resolution and customer satisfaction.
- Collaborated closely with the Quality Assurance team to ensure the integrity and reliability of software functionalities through thorough testing and validation processes.

● Graduate Software Engineer

July 2022 – November 2022 (4 months)

- Working with a team spread across geographical locations and time zones. Maintain and enhance the code base after the product release.
- Apply software engineering principles to ensure the application's reliability, scalability, and performance.
- Create and maintain technical documentation, including system architecture design documents.
- Analyse technical issues and come up with innovative solutions.
- Apply critical thinking and troubleshooting skills to resolve software defects, performance bottlenecks, and other technical challenges.
- Adhering to Agile methodologies and SDLC process.

🌐 **Climate Smart Technologies, India | https://climatesmarttech.com |**

● Junior Developer

January 2020 – June 2020 (6 months)

- Work on product designs of CST in IoTs, Drones, Robotics, 3D printing connected to Android App,
- Developed mobile responsive web and IoTs for Smart Farm, Smart Home, Smart Classes, and Smart Cities for Industry 4.0.
- Evaluating software developed against designed hardware.
- Creating technical specifications and operational documentation for customers.

RECENT PRODUCTS DEVELOPED – ON THE JOB

Arcadia - https://www.cadonix.com/solutions/design/

Arcadia is the world's first cloud-based CAD tool for automotive electrical wiring design, analysis and report documentation. The harness is a modern vehicle's second most expensive assembly after the drive train.

quoteBuilder - https://www.cadonix.com/solutions/manufacture/quotebuilder/

quoteBuilder is an optional but fully integrated module for Arcadia Harness designs. quoteBuilder gives you the power to generate Instant and accurate quotes for your customers and ensure that no BOM components are missed during the process.

cadBots – Cadonix BOT System
cadBots is a bespoke license and product management system built from the ground up for better operations and customer management. It also houses the primary custom-built DevOps pipeline.

UNIVERSITY PROJECTS

Takeaway Menu System
University of Leicester | July 2023 - September 2023

- Designed and implemented a takeaway menu system for my final year project, showcasing proficiency in software development and user experience design.
- Integrated Leaflet.js for dynamic map visualisation, enhancing user experience by providing interactive location-based features within the takeaway menu system.
- Implemented secure payment processing functionality using Stripe API, ensuring seamless and safe transactions for online orders, demonstrating proficiency in e-commerce integration and payment gateway systems.

Whiteboard Application

University of Leicester | December 2021 - January 2022

- Developed an application where multiple users can Connect, collaborate and share ideas. Application is deployed in GCP and used the database as Spanner

Safe route discovery for vehicles using VANET.

Dr. Mahalingam College | November 2020 - March 2021

- IoT-based water monitoring device to monitor flood at roadside broadcast message using Vehicular Ad-hoc Network.

REFERENCE AVAILABLE ON REQUEST