

Saravanan P

Software Developer

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SUMMARY

With over 3 years of experience in the software industry, I have been actively involved in system analysis, design, development, implementation, maintenance, and production support across India and the USA. My expertise includes working with Intersystem's Cache/MUMPS, where I have developed a strong understanding of Cache ObjectScript, Cache Classes, and Cache Server Pages. I am also proficient in PHP, with solid skills in OOP concepts, AJAX, databases, file handling, the Laravel framework, and SQL. Additionally, I have experience in Java, with a strong knowledge of core Java, OOP concepts, Swing, databases, file handling, binary search, and MySQL. My background includes working with various flavors of MUMPS and extensive experience in converting MUMPS globals to SQL classes.

I have also worked extensively with C, Spring Boot, Python, and shell scripts on Linux-based systems. I am a team player with excellent communication skills in English and Tamil, and a basic knowledge of Hindi. Currently, I am working at Plus 91 Technologies in Pune. Previously, I worked at 4W Technologies Pvt. Ltd. in Chennai, India, for over 3 years. My major clients include US-based companies specializing in application delivery controllers and BHI Energy for industry management and support.

EXPERIENCE

Plue91 Technologies

Nov 2024 – Present

Software Engineer

PROJECT NAME: MEDIXCEL BASIC (NABH) (NOV 2024 - PRESENT)

Description: I worked as a Software Developer on a Linux-based PHP project called Medixcel Basic (NABH). This was an external project that involved enhancing the backend PHP code to support front-end functionality using HTML and JavaScript. The project focused on managing the relationship between doctors and patients and was a real-time application.

Key Responsibilities:

- Led the development, customization, and maintenance of the NABH website using PHP, JavaScript, HTML, CSS, MySQL, WampServer, LAMP server, Linux scheduler, GitHub, version control, WinSCP, and PuTTY.
- Trained multiple employees in PHP, JavaScript, AJAX, jQuery, MySQL, and shell scripting techniques to ensure a smooth transition into the project after completing assignments and demo projects.
- Developed an efficient, automated, turnkey web-based online order processing system using PHP for Inventory Maintenance, Order Entry, and Order Processing.
- Implemented daily backup solutions in .NET to ensure data safety and recovery.
- Automated fee scheduling for tenant accounts, significantly reducing manual errors and processing time.
- Integrated Digilocker API in PHP 8.3, enabling seamless digital signatures and document management within the application.

4W Technologies

Feb 2022 – Nov 2024

Software Engineer

PROJECT NAME: PROPERTY MANAGEMENT (OCT 2022 - NOV 2024)

Description: Worked as a Team Lead on this Linux-based PHP project. The Property Management project was an internal initiative that involved enhancing the backend PHP code to support front-end functionality with HTML and JavaScript.

Key Responsibilities:

- Led the development, customization, and maintenance of the 4WPM website using PHP, JavaScript, HTML, CSS, MySQL, WampServer, LAMP server, Linux scheduler, GitHub, version control, WinSCP, and PuTTY.
- Trained multiple employees in PHP, JavaScript, AJAX, jQuery, MySQL, and shell scripting techniques to ensure a smooth transition into the project after completing assignments and demo projects.
- Developed an efficient, automated, turnkey web-based online order processing system using PHP for Inventory Maintenance, Order Entry, and Order Processing.
- Implemented daily backup solutions in .NET to ensure data safety and recovery.
- Automated fee scheduling for tenant accounts, significantly reducing manual errors and processing time.
- Integrated DocuSign API in PHP 5.6.2, enabling seamless digital signatures and document management within the application.

PROJECT NAME: APPLICATION DELIVERY CONTROLLER (JUN 2022 - SEP 2022)

Description: Worked as a Developer on the Application Delivery Controller (ADC) project. This enhancement project, based on Intersystem Cache, involved backend improvements to support front-end PHP features like GUI and SOAP API.

Key Responsibilities:

- Enabled web-based capabilities for a cache-based application and integrated it with the corporate website using XML and Java.
- Mapped the existing database to conform to an Object-Oriented model to leverage SQL capabilities.
- Trained employees in Cache programming techniques and database administration to ensure smooth project transitions and effective workload management after the current consulting assignment.
- Interfaced with customers to gather project requirements and ensure successful project delivery.
- Fine-tuned the database and addressed security concerns to enhance system performance and safety.

PROJECT NAME: BHI ENERGY INDUSTRY MANAGEMENT AND SUPPORT (MAR 2022 - MAY 2022)

Description: Worked as a Developer on the BHI project, which was based on Intersystem Cache and Java. The project involved enhancing the backend Cache code to support front-end Java JSP features like GUI and API.

Key Responsibilities:

- Maintained mission-critical application modules with strict Service Level Agreement (SLA) targets using MUMPS, ensuring high availability and performance.
- Enhanced backend code to include Java JSP and HTML features, improving the system's usability and user interface.
- Conducted a thorough study of the backend code and developed detailed design documents to outline the required project enhancements.
- Developed additional methods for Java classes to extend functionality and maintain code efficiency.
- Worked on a Java desktop application based on Swing technology, providing a robust desktop user interface.
- Enhanced the project using Java Spring Boot, contributing to the project's scalability and maintainability.

MLF Pvt. Ltd.

Jan 2021 – Jan 2022

Production Supervisor

Description: Worked as a Supervisor at this company, involving oversight in the inventory, design, development, and production of machine components.

Responsibilities:

- * Modified and maintained products and processes using Excel and CAD.
- * Supervised and led a team of mechanical technicians and engineers, providing guidance, training, and support to ensure high performance and adherence to safety standards through presentations.
- * Developed and managed work schedules to ensure timely completion of maintenance and repair tasks using digital reports on a work portal.

Documentation and Reporting:

- * Maintained accurate records of maintenance activities, equipment performance, and IT system integration.
- * Prepared detailed reports and presentations for management, highlighting key performance indicators, maintenance trends, and project outcomes.
- * Compiled a comprehensive listing of merchandise or stock on hand, work in progress, raw materials, finished goods, etc., on an annual basis for business review.

LMV Pvt. Ltd.

May 2016 – May 2017

Factory Assistant

Description: Worked as a Mechanical Operator with a focus on mechanical operations. Involved in the setup, operation, and maintenance of machinery while leveraging IT tools to enhance efficiency, data analysis, and automation.

Responsibilities:

- * Utilized the EX 70 machine's inbuilt software tools to manage and control machine data effectively.
- * Used Excel, CAD software, and other digital tools to create and modify machine component designs, ensuring precision and efficiency in the manufacturing processes.
- * Implemented and maintained automated systems and software applications to streamline machine operations, monitor performance, and manage production schedules.
- * Troubleshoot and resolved issues related to machine software and IT systems, ensuring minimal downtime and optimal performance.

EDUCATION

Velammal Engineering College

Sep 2020

B.E. Automobile

CGPA: 7.4/10.0

Sri Nallalaghu Nadar Polytechnic College

Oct 2016

Diploma in Mechanical Engineering

GTE: 7.2/10.0

TECHNICAL SKILLS

Languages: Java, PHP, TypeScript, SQL, JavaScript, Core Java, File Handling, Shell Script, AJAX, jQuery.

Frameworks: Laravel, Django, Spring Boot, Spring Framework, REST API, SOAP API.

Developer Tools: GitHub, Git, Excel, CAD, PowerPoint.

PROJECTS

Project Name: Home Application

Description:

The Home Appliances web-based application is designed to streamline the management of shopping records. It enables the admin to perform Create, Read, Update, and Delete (CRUD) operations on shopping data. Additionally, it allows users to place orders, manage their carts, cancel products, and remove products. The system also includes features like sign-up, sign-in, and sign-out. This application is developed using a combination of technologies, including PHP, Ajax, HTML, CSS, and JavaScript, and is maintained through GitHub and VS Code.

Key Responsibilities:

- **Backend Development:** Developed the backend of the Home Appliances application using PHP to handle server-side logic and data processing.
- **Frontend Design:** Created a responsive and user-friendly interface utilizing HTML, CSS, and JavaScript.
- **Data Handling:** Implemented Ajax to enable real-time data updates without requiring a page reload.
- **Database Management:** Designed and managed a robust database schema to ensure efficient storage and retrieval of user information.
- **Version Control:** Utilized GitHub for effective version control and collaborative development.

Project Name: Employee Management System

Description:

The Employee Management System is a web-based application designed to streamline the management of employee records. It enables users to perform Create, Read, Update, and Delete (CRUD) operations on employee data. This system is developed using a combination of technologies, including Laravel, PHP, Ajax, HTML, CSS, JavaScript, and is maintained through GitHub and VS Code.

Key Responsibilities:

- **Backend Development:** Engineered the application's backend using Laravel and PHP to handle server-side logic and data processing.
- **Frontend Design:** Developed a responsive and user-friendly interface utilizing HTML, CSS, and JavaScript.
- **Data Handling:** Implemented Ajax to facilitate real-time data updates without requiring page reloads.
- **Database Management:** Designed and managed a robust database schema to ensure efficient storage and retrieval of employee information.
- **Version Control:** Employed GitHub for effective version control and collaborative development, ensuring code integrity and streamlined teamwork.

Project Name: ChatBot

Description:

ChatBot is a web-based application designed to facilitate interaction with an AI third-party API within our system. The project utilizes TypeScript, HTML/CSS, Ajax, Django, Python, and is managed with GitHub and VS Code.

Key Responsibilities:

- **Backend Development:** Developed the server-side components using Django and Python to handle API requests and responses.
- **Frontend Design:** Implemented the user interface using HTML, CSS, and TypeScript to ensure a responsive and engaging user experience.
- **API Integration:** Integrated a third-party AI API to enable advanced conversational capabilities within the application.
- **Asynchronous Data Handling:** Utilized Ajax to enable seamless and real-time communication between the client-side interface and the backend.
- **Version Control:** Managed code revisions and collaboration using GitHub to ensure code quality and streamline development processes.