# Surya Pandiaraj

+91-6380638558 | pandiarajsurya@gmail.com | Linkedin | GitHub

## EXPERIENCE

**Software Engineer**                                                                Apr 2022 – Present
*Infosys Limited*                                                                           *Chennai, TN*
- Around **2 years** of working experience in development of web applications.
- Proficient in **Java, Spring Boot, JavaScript, Spring Data JPA, Kafka, Microservice Architecture, RESTFul web services,** and **MySQL**.
- Hands on experience in **designing** and **developing** 5 key microservices in an E-Commerce Application.
- Experience in working on complete **Software Development Life Cycle** involving development, testing and maintenance of 2 projects.

## EDUCATION

**Velammal College of Engineering and Technology**                                         Madurai, TN
*Bachelor of Engineering in Computer Science and Engineering*                       *Aug 2016 – May 2020*
**KVS Matriculation Higher Secondary School**                                        Virudhunagar, TN
*HSC - Computer Science – 80.25%*                                                   *Jun 2015 – Apr 2016*
**KVS Matriculation Higher Secondary School**                                        Virudhunagar, TN
*SSLC – 96.8%*                                                                      *Jun 2013 – Apr 2014*

## PROJECTS

**Ariba API Tool** | *Java Spring Boot, HTML/CSS, JavaScript, jQuery*
- Engineered a robust full stack web application, enabling clients to seamlessly access around 30 SAP Ariba APIs.
- Leveraged **Java Spring Boot** and the **okhttp library** to ensure efficient communication between frontend and backend components. Enhanced user experience by optimizing the web interface with **JavaScript**.
- Resolved complex **CORS issues** by implementing **CORS Configuration** at the backend, ensuring 100% compliance with **security protocols**. Conducted thorough **testing and troubleshooting** in parallel with development, achieving 100% project completion within 3 months.
- Overcame significant challenges such as **API integration** and **cross-origin resource sharing** (CORS) by employing **strategic problem-solving techniques** and **advanced backend configurations**.

**E-commerce Web Application** | *Java Spring Boot, React, MySQL*
- Developed a **robust full stack e-commerce web application** using Java Spring Boot and JavaScript, contributing 80% to the overall development.
- Implemented **efficient data structures** to manage product listings, inventory, and user orders, achieving a **30% improvement in data retrieval speed**.
- Utilized **optimized MySQL queries** to retrieve user data swiftly and accurately, enhancing query performance by 25%. Faced challenges in optimizing queries for large datasets, which were overcome by **indexing critical columns and refining query logic**.
- Integrated user authentication with **JWT and OAuth2** for secure sign-in process, ensuring a 99% success rate in authentication. Addressed the integration challenges by **testing and debugging** the authentication flow.
- Designed a responsive and user-friendly interface to enhance the shopping experience, resulting in a **40% increase in user engagement**. Balanced responsiveness and performance by leveraging modern frameworks.

## TECHNICAL SKILLS

**Technical skills**: Data structures, Microservices, Maven, SQL and Kafka
**Programming Languages**: Java, Javascript, HTML5/CSS, Python
**Database**: MySQL
**Frameworks & Libraries**: Spring Boot, React, Spring MVC, Spring IOC, Spring Security, Hibernate
**Version Control Systems**: Git
**Developer Tools**: IntelliJ, Visual Studio Code, PyCharm

## CERTIFICATIONS

- Infosys certified **Front End Web Developer** in September 2023.
- Infosys certified **Java Developer** in July 2022.