

# VIGNESH RAJ GUNASEKARAN

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## Summary

Dynamic Full stack JavaScript developer with over 3 years of hands on experience crafting robust web applications using React, Next.js, FastAPI and Spring Boot. Proficient in independent and collaborative work, delivering superior products within established timelines and budgets. Skilled in debugging intricate JavaScript code and optimizing web performance for enhanced user experiences.

## Skills

- **Backend**  
Python – Fast API  
Java – Spring Boot
- **Frontend**  
HTML, CSS, Javascript, JQuery,  
Bootstrap, MUI, React JS, Next JS
- **Tools**  
Photoshop, Power Platform Tools
- **Cloud**  
Git hub
- **Testing**  
Jest

## Education

### BE (CSE) – 2020

Einstein College of Engineering  
Tirunelveli

### HSC – 2016

Schaffter Higher Secondary School  
Tirunelveli

### SSLC – 2014

Schaffter Higher Secondary School  
Tirunelveli

## Languages

- English
- Tamil

## Experience

### Full Stack Developer - 2022-Present

#### CTD Techs Pvt Ltd

At CTD Techs Pvt Ltd, I held the position of a Full Stack Developer, where I contributed to various projects and gained expertise in a wide range of technologies. My primary focus was on building web applications with a strong emphasis on both front-end and back-end development. Some of the key technologies and responsibilities I handled include:

- **Front-End Development:** I utilized my skills in HTML, CSS, JavaScript, React.js, Next JS and jQuery to create engaging and user-friendly interfaces for web applications. I ensured responsive design and smooth user experiences by implementing AJAX for dynamic content loading.
- **Back-End Development:** In backend development, my expertise lies in crafting robust server-side components using Python and Java. I specialize in leveraging FastAPI and Spring Boot frameworks to architect and optimize RESTful API services, ensuring high efficiency and reliability in delivering scalable backend solutions.
- **Security:** Securing FastAPI involves implementing JWT or OAuth for authentication, input validation for data integrity, and encrypted communication. In Spring Boot, leverage Spring Security for robust authentication, handle common web vulnerabilities, configure CORS, and integrate logging for monitoring potential threats, ensuring both frameworks fortify RESTful APIs against security risks.
- **Cloud Services:** I have a basic foundational understanding of cloud technologies, including AWS S3. This allowed me to integrate cloud storage solutions into applications.

## Experience – Cont...

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- **Testing:** I have handle basic mocking, test asynchronous code, and utilize Jest's key features like snapshot testing and code coverage reports.

### Junior Software Developer - 2021-2022

#### Transforma Pvt Ltd

During my time at Transforma Pvt Ltd as a Junior Software Developer, I further honed my skills in web development and gained hands-on experience in several key areas:

- **Front-End Technologies:** I continued to build upon my expertise in HTML, CSS, JavaScript, jQuery, and AJAX, creating visually appealing and interactive user interfaces.

### Intern - 2020-2021

#### Transforma Pvt Ltd

During my internship at Transforma Pvt Ltd, I had the opportunity to learn and familiarize myself with various foundational technologies in the field of web development:

- **Web Development Fundamentals:** I acquired a solid grasp of HTML, CSS, JavaScript, jQuery, and AJAX during this period. This laid the foundation for my future endeavors in the field.

## Projects

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### 1. Virtual Interview

- Built Virtual Interview with FastAPI and Next.js. Designed interactive UI, managed state. Developed APIs for Candidate interview process.

### 2. Timeslog

- Built Timeslog with FastAPI and Next.js. Designed interactive UI, managed state. Developed APIs for employee time and activity tracker.

### 3. iHRMS Version 2 (Spring Boot with React.js):

- Upgraded iHRMS to Spring Boot REST API and enhanced the front end with React.js. Created robust endpoints for managing employee data and leave while harnessing React's capabilities to ensure a scalable and modernized user experience

### 4. iTicketing (Spring Boot with Thymeleaf):

- Designed a ticketing system using Spring Boot and Thymeleaf. Crafted UI with Bootstrap, jQuery. Managed tickets and interactions.

### 5. TN Govt-HRMS (Struts 2 Framework):

- Developed another HRMS app using Struts 2. Created responsive UI with Bootstrap, jQuery. Handled employee records, attendance, payroll.

### 6. VMA-HRMS (Spring Boot with React.js):

- Built HRMS with Spring Boot and React.js. Designed interactive UI, managed state. Developed APIs for employee data, reviews, HR tasks.

### 7. Transforma Workflow (Frontend):

- Reconstructed the workflow entirely using React.js for the frontend, moving away from HTML, CSS, JS, jQuery, and Bootstrap. Leveraged React's modular components and state management for a more streamlined and efficient workflow design.