

# Nihal Shameem

## Senior Software Engineer

Seasoned software engineer specializing in web development across multiple frameworks, adept at delivering scalable and innovative solutions.

## EXPERIENCE

### Novac Technology Solutions, Chennai — Senior Software Engineering

August 2022 - PRESENT

- Expertise in developing and maintaining full-stack web applications using Node.js, Express.js, Laravel, MySQL, and JWT.
- Design and implement RESTful APIs to ensure seamless communication between front-end and back-end systems.
- Manage a MySQL database for efficient data storage and retrieval.
- Collaborate with cross-functional teams to analyze requirements and deliver high-quality software solutions.
- Implement authentication and access control using session-based and token-based methods.
- Conduct code reviews, unit tests, and continuous improvement initiatives to enhance software quality and performance.
- Utilize JWT for secure user authentication and session management.
- Employ cookie-based authentication for secure and maintainable front-end sessions.
- Actively participate in code reviews and continuous improvement initiatives to enhance code quality and development processes. Currently leading a project utilizing Next.js with React and TypeScript, focusing on building scalable and maintainable front-end applications.

### Ellantec, Tirunelveli — Software Developer

May 2021 - July 2022

- Proficient in Laravel, React, REST API, React.js, MySQL, and MongoDB.
- Develop and maintain APIs for authentication, user roles, and session management.
- Implement authentication mechanisms using session-based methods in Laravel.
- Use React for building dynamic and interactive user interfaces.
- Successfully led and contributed to projects in the restaurant and B2B domains, delivering robust and scalable software solutions tailored to industry-specific requirements.

### IT Flex Solutions, Madurai — Frontend Developer

March 2020 - December 2020

- Proficient in HTML, CSS, JavaScript, PHP, and jQuery.
- Design and develop user-friendly interfaces and experiences.
- Implement dynamic and interactive features using JavaScript and jQuery.
- Collaborate with backend developers to integrate frontend with server-side logic.

## CONTACT INFO

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[Nihal Shameem | LinkedIn](#)

[Portfolio](#)

## SKILLS

### Front-end development

HTML, CSS, CSS3, SCSS, JavaScript,  
ES6+, JSON and TypeScript  
Bootstrap, jQuery and Axios  
React, React redux, Hooks and  
Context  
UI packages/frameworks such as  
Material UI, AntD, Formik, Tailwind,  
TSLint/ESLint, prettier  
Flex/Flexbox, Grid and CSS-In-JS

### Full-stack Development

Node.js, Express.js, Next.js (SSR and  
SSG)  
RESTful API Development  
Async/await, Promises and callback  
MERN Stack  
Responsiveness, Debugging  
AWS S3 bucket  
SQL(MySQL) and NoSQL (MongoDB)  
Programming  
PHP frameworks such as Laravel,  
Lumen and CodeIgniter  
Third-party API Integration  
Payment gateway Integrations  
such as Razor Pay, CCAvenue,  
Stripe

### Authentication Methods

EDUCATION

National college of engineering, Tirunelveli — BE, Computer Science

2014 – 2018

PROJECTS

Portfolio website — Built using Next.js, React, and TypeScript

The portfolio website showcases my professional experience, projects, and skills in a clean and user-friendly manner. It serves as a digital resume and a platform to display my work to potential employers and clients.

Key Features:

- Developed with Next.js for server-side rendering and optimized performance.
- Used React and TypeScript for building dynamic and type-safe components.
- Integrated Ant Design for consistent and responsive UI elements.
- Initially hosted on a platform that did not support Node.js applications, so converted the site to a static website.
- Created an API subdomain using Laravel 9 to handle contact form submissions.
- Implemented a custom fetch function to handle API requests efficiently.
- Hosted on a reliable platform to ensure high availability and performance.
- Ensured responsive design for optimal viewing on various devices, including laptops, tablets, and mobile phones.
- Added session-based authentication in the content management system for projects and to view contact form submission details.
- SEO optimized to improve visibility on search engines.

Weather Dashboard — Built using React.js, TypeScript, RESTful API Integration, bootstrap, Material UI.

A dynamic web application built to display weather information for cities worldwide. Utilizes React.js and TypeScript for frontend development, integrating with an open-source API to fetch real-time weather data.

Key Features:

- Allows users to search for cities worldwide and retrieve current weather conditions and forecasts.
- Utilizes asynchronous data fetching to provide real-time weather updates, ensuring accuracy and timeliness.
- Ensures optimal viewing experience across various devices, including desktops, tablets, and mobile phones.
- Includes interactive charts or maps to visualize weather trends and patterns.

SGL Marine Insurance — Build using Laravel and dotnet core

The SGL Marine Insurance project is designed to streamline the insurance process for shipping cargo through road, air, and sea. Using the application, users can declare certificates for both bulk and single transport via declaration forms. The project is built with the Laravel framework, integrating .NET APIs for core functionalities.

Key Contributions:

- **Initial Project Setup:** Established the Laravel framework setup for the project, ensuring scalability and maintainability.
- **User Management:** Designed and implemented user management features, including

Session-Based, Token-Based, JWT,

and Cookie-based

Development Lifecycle

Git and GitHub

Agile Methodology

Jira and Bitbucket

Management

Communication and Teamwork

Time management and

Adaptability

LANGUAGES

Tamil and English

PEROSNAL DETAILS

DOB: 02/06/1996

Nationality: Indian

Gender: Male

Religion: Muslim

ACHIEVEMENTS

Rapid Adaptation to Django

API Development

Successfully transitioned to Django API development within one week at Ellantec, showcasing rapid learning ability and adaptability to new technologies.

Rapid Delivery of Call-Center

Project

Successfully delivered a comprehensive call-center project for private car insurance journey within a challenging two-week deadline, demonstrating efficient project management and problem-solving skills.

role-based access controls.

- **API Development:** Created APIs to enable the .NET team to manage customer creation and integrate key functionalities.
- **Proposal Calculations:** Developed APIs for basic proposal calculations, facilitating seamless policy creation.
- **Transport Declaration:** Enabled users to generate certificates for bulk and single transport using intuitive declaration forms.

### **Sgi insurance website** — *Build using node.js, express.js and lumen*

The SGI Insurance Website is developed as a user-centric online platform utilizing Node.js with Express.js for frontend and Lumen framework for backend. MongoDB and MySQL are employed for robust data management.

#### **Key Features:**

- GCCV & PCCV Insurance Journeys: Implemented by incorporating comprehensive coverage and transparent cash value calculations.
- Four-Wheeler & Two-Wheeler Journeys: Worked extensively on the development and enhancement of these insurance journeys.
- Call-Center Assisted Four-Wheeler Journey: Played a pivotal role in implementing features facilitating smoother interactions between customers and call center agents.
- CMS Development: Contributed to the development of the Content Management System (CMS) for efficient content creation, editing, and publishing.
- Implemented cookie-based authentication for secure session management.
- Secure Online Transactions
- Responsive Design
- Performance Optimization

### **Ellan Taxi Management System** — *Build using Laravel php and Flutter*

Ellan Taxi Management System optimizes taxi services through Laravel backend development and MySQL database management.

#### **Key Contributions:**

- Backend Development: Leveraged Laravel for robust backend functionality.
- Database Management: Ensured efficient data storage and retrieval using MySQL.
- Ride, Driver, and Vehicle Management: Streamlined operations for improved efficiency.
- Fare Calculation and Billing: Implemented transparent fare calculation algorithms.
- Admin Dashboard: Provided comprehensive analytics for monitoring system performance.
- Created JWT authentication for driver app APIs to ensure secure and efficient communication.
- Implemented session-based authentication for the admin panel.

### **Fixed Duplicate Payment Bug**

#### **in SGI Insurance Project API**

Resolved critical bug within SGI project's insurance journey payment API, eliminating duplicate payment initiation post-lead conversion by conducting thorough status updates and code analysis, ensuring seamless transaction processing.

### **SOFTWARE**

#### **Programming Languages:**

JavaScript (ES6+), HTML5, CSS3  
Frameworks/Libraries: React.js, Node.js, Express.js, Laravel, Lumen, Next.js

**Databases:** MongoDB, MySQL

**Version Control:** Git, GitHub, Bitbucket

#### **Agile Software/Methodologies:**

Jira, Agile Scrum

**RESTful APIs:** Design, Development, Integration

**Backend Frameworks:** Node.js, Express.js, Laravel, Lumen

**Package Managers:** npm, Yarn, nvm, PHP composer

**Task Runners:** Webpack

**Web Servers:** Nginx, Apache, pm2

**OS Used:** Windows, Linux, Ubuntu and MAC