

# SANJAY P PURUSHOTHAMAN

## MERN Stack Developer

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## SUMMARY

Full-Stack Developer with expertise in **Next, React, Express, Nest, Node, AWS and MongoDB**. Proven track record of successful project completions. Committed to quickly learning and adapting to new technologies while consistently writing clean, efficient code. Demonstrates strong team collaboration and leadership skills. Actively involved in coordinating and participating in activities, with experience hosting numerous events..

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## TECHNICAL SKILLS

**Web Techs** : HTML, CSS, JS, Node.js, Express, Next, React, Redux, Tailwind, Bootstrap, nest, TS  
**Database** : MongoDB, AWS Cognito, AWS S3  
**Dev Controls** : Visual Studio Code, Github, React developer tool, Filezilla, Jenkins

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## PROFESSIONAL BACKGROUND

### Junior Software Engineer - Softnotions Technologies ( March 2023 - Present )

- Utilized **Agile** methodology to deliver high-quality WebApp on time.
- Managed tasks and issues in **Jira** to ensure efficient project management, including code reviews for teammates. Responsible for manual production releases. Resolved bugs in **React , Node.js, NEXT** and **Nest.js**, enhancing product quality, especially utilizing JavaScript concepts.
- Demonstrated strong **problem-solving** and **debugging** skills with excellent team leading.

### MERN Stack program - Prepbytes.com ( July 2022 - March 2023)

- Acquired comprehensive knowledge of the MERN stack and successfully hosted multiple websites.

### Graphic Designer - Calypso Branding Partner ( July 2021 - June 2022)

- Worked as a graphic designer, creating social media posters, visiting cards, and brochures, including content development ( **Adobe Illustrator, Adobe Photoshop** ).
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## EDUCATION

### B.Tech in Electronics and Communication Engineering

Dr. A P J Abdul Kalam Technological University (August 2017 - June 2021)

### Professional Diploma in Multimedia and Animation

KASE (April 2017 - September 2019)

### Higher Secondary Education in Computer Science

State Syllabus (August 2015 - March 2017)

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## ACHIEVEMENTS

- Awarded "**Rookie of the Year**" at Softnotions Technologies Private Limited (2023) for demonstrating excellent performance.
- Awarded "**Best Captain**" & led winning team in competitive 3-day program, leveraging strengths & motivating members to conquer group activities (On Btech period).

## PROJECTS

### TOGGLE - Driver Shipment Management Platform (USA)

Softnotions Technologies Private Limited

- Developed a **microservices**-based live website enabling USA drivers to manage shipment pickup and drop-off, including live truck tracking and shipment addition.
- Built using **React** (frontend) and **NestJS** (backend) with **GraphQL API** for efficient data handling with **Type Script**.
- Integrated **AWS Lambda** for periodic location updates and **AWS Cognito** for secure user registration and login, and **AWS S3** for data storage.
- Utilized AWS services for automated email and SMS notifications.
- Architected with an API Gateway and background services for streamlined communication between services.

### IDESIGNER - Building Drawing website (USA standard)

Softnotions Technologies Private Limited

- Developed a React and **Redux**-based application for customizable house design, featuring multiple viewing options and PDF generation (3D rendering included).
- Implemented material estimation and **Excel** data export functionalities.
- Utilized extensive **line-by-line debugging** techniques throughout the development process.
- Conducted thorough code reviews and managed manual production **deployments and backups**.
- Led team brainstorming sessions to develop solutions for complex client requirements.
- Participated in client communications to gather and clarify project specifications.
- Utilized **Jenkins** for build management, troubleshooting, and resolving build failures.

### AIM - UAE Government RIG Machines inspection tracking and booking website

Softnotions Technologies Private Limited

- Developed pages with navigation using the **MERN** (MongoDB, Express.js, React, Node.js) stack.
- Integrated maps for location identification.
- Implemented scheduling functionality with date selection and slot prioritization.
- Utilized MongoDB **Aggregation** methods for efficient data processing.
- Incorporated features for graph generation, **PDF** creation, and **Excel** export.
- Implemented data transfer using **RESTful** APIs.

### Intellify - IT consultancy website (UK)

- Developed a responsive website using **Next.js** with **page router** and integrated Bootstrap, meeting client requirements.
- Utilized **Notion** for project and task management.
- Conducted client calls, communicated effectively, and developed solutions.

### E-commerce web app ( Personal Project )

- Developed and deployed a comprehensive e-commerce platform using the MERN stack, incorporating **routers, params, hooks, and Redux** for state management.
- Implemented **CRUD** operations and RESTful APIs for seamless data interaction with MongoDB.

### Blog App ( Personal Project )

- Ensured secure user authentication and authorization with **JWT** and **password hashing** mechanisms.
- Developed and deployed an impressive Blog app using React.js and Express.js, with dynamic data fetching from a hosted backend server and well-defined routes for seamless navigation.

**Todo App / Digital Clock** ( Personal Project )

- Developed web applications using HTML, CSS, and JavaScript, gaining in-depth knowledge and expertise in JavaScript.

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**EXTRACURRICULAR ACTIVITIES & INTERESTS**

- Team Captain - Sports Team at Softnotions Technologies Private Limited
- Active in Sports & Arts (Football, Volleyball, Dance)
- Member - National Service Scheme (NSS), IEEE