

Snehith Padigelwar

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Versatile Software Engineer with 4+ years of experience building scalable web applications and microservices, specializing in event-driven architectures, and real-time data processing. Ready to contribute immediately to innovative projects.

Technical Skills

Web Technologies : HTML, CSS, SCSS, Angular, Ionic Framework, React, Redux, NgRx
UI Libraries : Material UI, Prime NG, Map box, Konva.js, Chart.js, AG-Grid, Tailwind CSS
Scripting : JavaScript, TypeScript, Python
Backend Technologies: Golang, Java, Spring Boot, C#.Net, NodeJS, Express.js, GraphQL, Flask, Apache Kafka
Database : MySQL, PostgreSQL, MongoDB
Testing & Tools : Karma, Jasmine, Junit Tests, Postman
cloud services : AWS Lambda Services, AWS SQS, AWS SES, AWS S3, CloudWatch
IDE & Tools :VS Code, IntelliJ, Eclipse, Pg Admin, MongoDB Compass, Jira, Jenkins, Wiki, Confluence, Figma, Git, GitHub, Bitbucket, Postman, Elastic

Professional Experience

CompNova LLC (Client: CSX) - Remote

Feb 2024 - Present

Software Engineer

- Drove end-to-end activities like requirement analysis, design, coding, and maintenance. Using **Agile (Scrum)** to deliver over 50+ stories on time, increasing team productivity by 20%
- Built modular **Angular** applications with **web components**, **micro frontends**, and custom-built Directives, Pipes, and Components, enhancing reusability and maintainability by 30%
- Employed **RxJS** and **WebSocket** for real-time data visualization, processing 200+ train updates per minute, and boosted train tracking efficiency by 50% using **Angular**, **Mapbox**, and **Geo-JSON**
- Digitized 1500+ documents using **Ionic Framework**, reducing paper usage and enabling offline access
- Optimized performance with **RxJS** for batch API calls, reducing load times and enabling parallel processing
- Developed RESTful APIs using **Spring Boot** for complex workflows, integrating **MongoDB** with **Java** drivers and leveraging aggregation pipelines to data retrieval, boosting performance and efficiency by 40%
- Optimized backend services using **Java's** CompletableFuture, enhancing endpoint response times by 40%
- Designed and implemented event-driven systems using **Apache Kafka**, enabling real-time data streaming and processing across distributed microservices
- Built **Kafka producer-consumer applications** to publish and process events, enabling efficient data flow
- Managed CI/CD pipelines with **Jenkins**, automating deployments and improving efficiency by 35%
- Collaborated with cross-functional teams via **JIRA** to track progress and resolve issues
- Aligned technical solutions with client business goals, ensuring 100% satisfaction with deliverables.
- Facilitated code reviews to ensure quality and consistency before merging changes, reducing bugs by 15%

Environments: **Angular, Ionic Angular Framework, Mapbox, Prime Ng, RxJS, Java, Spring Boot, MongoDB, Apache Kafka**

Clark University - Worcester, MA

Aug 2023 – May 2024

Teaching Assistant (Design & Analysis of Algorithms)

- Conducted meetings with professors to address student progress, boosting performance by 30%
- Evaluated assignments and provided constructive feedback, improving overall quality by 15%
- Set up one-on-one support and clarification sessions for students, enhancing their understanding of complex algorithm concepts and contributing to a 20% improvement in exam scores

Algorithms & Data Structure: **Searching, Sorting, Hashing, Dynamic Programming, Greedy, Arrays, Stack, Queue, LinkedList, Trees and Graphs**

Environments: **Python, Java, C++, C#, JavaScript**

Software Engineer

- Engaged in all SDLC phases using **Agile methodology**, achieving faster response to changes and feedback
- Developed and maintained internal **UI component libraries** using **Angular**, standardizing design patterns and accelerating development workflows
- Architected scalable **Angular** applications with reactive forms, boosting user satisfaction by 50%, and implemented role-based access using **Angular** guards for secure navigation
- Constructed 50+ scalable **REST APIs** using **Golang** in a microservices architecture, with custom **Gorilla** middleware for authentication and logging, improving system reliability by 35%
- Engineered **PostgreSQL** database schemas and executed **CRUD operations**, improving data retrieval speed by 50%, and developed efficient **Golang** migration scripts for seamless data transfer and updates
- Developed **React**-based front-end modules for key features, integrating with **REST APIs** to deliver dynamic and responsive user interfaces
- Implemented state management using **Redux** and **Context API**, ensuring consistent data flow and enhancing application performance
- Designed and developed **RESTful APIs** using **Spring Boot** and **JPA**, enabling seamless integration with microservices and improving system scalability by 35%.
- Leveraged **J2EE** frameworks to build robust backend systems, ensuring high performance and reliability for enterprise-level applications
- Identified root causes, assessed system impact, and devised solutions for defects in testing or production
- Delivered monthly demos to stakeholders, highlighting progress and key features to ensure project alignment
- Maintained code in **Bitbucket** with feature branches for each task, reducing code conflicts by 25%
- Integrated AWS CloudWatch and tailored lambda functions for seamless log management and triggers

Environments: **Angular, React, HTML, SCSS, TypeScript, JavaScript, Redux, Material UI, Chart.js, AG Grid, Golang, Java, Spring Boot, J2EE, PostgreSQL**

Education

Clark University | Master of Science, Computer Science

Jan 2023 – May 2024

CMR Institute of Technology | Bachelor of Technology, Electronics and Communications

Jul 2017 – Jun 2021

Academic Projects

Rove Around – Trip Planner Application | **Angular, Java, Spring Boot, MongoDB, Google Maps API**

- Designed and developed a user-friendly web application to simplify trip planning and collaboration among friends, And Integrated **Google Maps API** for real-time location visualization and route optimization, enhancing user experience and engagement.

Course Sphere – Course Management Application | **Angular, C#.NET, MSSQL**

- Developed a robust course management system using **C#.NET** and **MSSQL**, implementing authentication and authorization APIs for secure access control. Designed multiple **RESTful APIs** to handle course creation, student enrollment, and progress tracking, ensuring seamless and efficient data management.

Spend Tracker – Personal Finance Management Application | **React, Redux, Chart.js, GraphQL, MongoDB**

- Created an intuitive finance management app for tracking income, expenses, and budgets, helping users achieve financial goals. Integrated **Chart.js** for dynamic data visualization, providing actionable insights into spending patterns and trends.

Stack Space – Digital File Organizer | **React, Redux, Express.js, Node.js, MongoDB, AWS S3**

- Developed a cloud-based file management system with drag-and-drop functionality for seamless file organization and Leveraged **AWS S3** for secure and scalable file storage, ensuring high reliability and performance.

Certificates

- Programming data structures and algorithms using Python – **NPTEL**
- Data structures and Algorithm – **Smart Interviews**
- Pre-Education Program (PEP) - 2020 – **EPAM Systems India Pvt Ltd**