

Tamilvanan B

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PROFILE SUMMARY

A dedicated software engineer with nearly 3 years of experience, showcasing problem-solving and debugging skills, supported by Agile experience. Highly motivated and a fast learner who readily adapts to new technologies and methodologies. Passionate about fostering efficiency and innovation in all projects.

SKILLS

Languages: C++, Python, Java, JavaScript, TypeScript, SQL

Back-end: Node.js, Spring Boot, Spring Data JPA

Front-end: Angular, React, HTML, CSS

Tools/Development: Git, GitHub Actions, Apache Maven, Datadog

PROFESSIONAL EXPERIENCE

NielsenIQ

Software Engineer

Chennai, India

August 2024 – Present, Full-time

- **Projects:** *NIQ Discover*
- Developed a **syndicated** benchmarking capability focused on clients' direct competitors, providing critical context to evaluate their performance and identify growth opportunities.
- Introduced a new filter feature to enhance **PowerPoint (PPT)** and **Excel** exports of user reports. This user-friendly option allows for filtering and exporting selected charts, significantly improving end-user usability.
- Worked on an internal tool by implementing two new features to streamline JSON file manipulation, improving efficiency and usability.
- Implemented a **caching service** to optimize payload management by detecting changes and serving data from the cache when no updates were required, improving application performance, reducing redundant network calls, and enhancing scalability.
- Migrated existing **Angular** components to standalone components, improving maintainability and reducing dependencies across the codebase.

FIS

Software Engineer

Chennai, India

June 2022 – August 2024, Full-time

- **Projects:** *IBS Teller, Business Hub, ERPConnect, Business Insights, FFUI, Positive pay*
- Enhanced the search functionality within the IBS Teller inventory management system to improve efficiency and user experience.
- Migrated legacy AngularJS components to Angular 16, boosting application performance and maintainability.
- Assisted in migrating Spring Boot services from on-premise to the cloud, improving performance and operational efficiency.
- Integrated third-party **Railz** API with Spring Boot services, providing deeper insights for registered companies.
- Developed front-end solutions using Angular 16 and D3.js, and back-end services with Express, ensuring responsive designs across multiple resolutions and iframes.
- Developed the UI application for FFUI using **React**, and cross-domain components like **Zoid** to enable secure login for external banks.
- Addressed security vulnerabilities identified by BlackDuck and Checkmarx scans, and added unit tests using Jest to ensure code quality.

EDUCATION

Madras Institute of Technology (MIT), Anna University

B.E. in Computer Science and Engineering; GPA: 7.97/10.00

Chennai, India

Aug 2018 – Jun 2022

Velammal Matric Higher Secondary School

Higher Secondary Course; Percentage: 93.08

Ponneri, India

Apr 2017 – Mar 2018