

Tamizh Selvan

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OBJECTIVE

Detail-oriented and self-motivated graduate student actively seeking Software Engineering Internship opportunities for Summer 2026.

EDUCATION

Masters, Computer Software Engineering

Aug 2025 - May 2027

San Jose State University, CA, USA

- Relevant Coursework: Cloud Technologies, Software Systems Engineering, Enterprise Software Platforms.

Integrated B.Tech + M.Tech in Software Engineering

Aug 2017 - May 2022

Vellore Institute of Technology, Vellore, India

GPA: 8.36/10.00

- Relevant Coursework: Data Structures, Computer Architecture, Database Management Systems, Operating Systems, Computer Networks and Web Technologies.

TECHNICAL SKILLS

- **Programming Languages:** Golang, C++, Java, Kotlin, Node.js.
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, DocumentDB
- **Frameworks/Technologies:** REST API, gRPC, AWS, Docker, Kubernetes, Linux
- **Developer Tools:** VS Code, IntelliJ, Sublime, Git, GitHub, Jira, Confluence

WORK EXPERIENCE

Software Engineer,

Shuru, Remote

Apr 2025 – Jul 2025

- Migrated core payment services from Java to Golang to enhance performance, scalability, and maintainability of the payments application, aligning with modern payment system architectures.
- Optimized existing APIs in newly developed services, significantly improving response times and overall system efficiency.
- Decoupled tightly coupled services and databases, enabling a modular architecture, independent deployments, and reducing operational dependencies.

Software Development Engineer

Wiz Freight, Chennai, India

Sep 2022 – Apr 2025

- Designed and implemented a Golang-based microservices architecture from scratch using gRPC and PostgreSQL, optimizing the existing codebase to reduce response time on high-traffic pages and deliver a smoother user experience.
- Integrated third-party APIs into the gRPC-based ecosystem, reducing manual workload for executives by 60% and improving overall operational efficiency.
- Collaborated with the frontend team to design and build robust RESTful APIs, resulting in a 30% improvement in frontend performance and seamless backend integration.
- Investigated and resolved critical production issues in shipment tracking, resulting in a 40% reduction in customer complaints and ensuring uninterrupted service availability with 99.9% uptime
- Built a Kotlin-based PDF documentation service tailored for the shipping industry, automating document generation and reducing executive workload by 70%.

Software Engineer Intern (co-op)

Nokia Networks, Bengaluru, India

Aug 2021 - May 2022

- Developed and executed automated test cases for multiple features, leveraging virtualized and containerized machines; reduced testing and issue resolution time by 40%, boosting team productivity and accelerating product development.
- Engineered and deployed containerized virtual machines, optimizing development and testing workflows, resulting in a 60% reduction in time spent on environment setup and a 30% increase in product quality.

PROJECT EXPERIENCE

Real Time Chat Application

- Developed and implemented a real-time chat application with room functionality, enabling users to create and share custom rooms for seamless text-based communication with friends.
- Utilized Socket.io to enable seamless real-time, bidirectional communication between the web server and clients, facilitating instant updates and ensuring optimal performance for users.

AGRO – A Mobile Application for the Beneficiary of Farmers

- Developed an AI-powered mobile application enabling farmers to sell directly to consumers, eliminating intermediaries and ensuring fair pricing; integrated recommendation systems for optimal pricing and computer vision for automated produce quality assessment.
- Built core modules for real-time product uploads, dynamic pricing, logistics management, and inventory tracking using Firebase and Android Studio, improving efficiency, transparency, and trust in agricultural transactions.