









Sudhakar Ramasamy

Senior Developer (Node.js, Java) + Innovator with 7 Patents at USPTO for Dell having ~ 7 years of experience in Research, Design, and Development of various Client and Server Applications.

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|  patents.google.com?inventor=Sudhakar+Ramasamy | |  stackoverflow.com/users/12167785 |

Work Experience

Dell Technologies (Chennai/Bengaluru, India)

- Software Principal Engineer : 04/2025 - Present *
- Software Senior Engineer : 07/2022 - 03/2025
- Software Engineer 2 : 04/2021 - 06/2022
- Software Engineer 1 : 07/2018 - 03/2021
- Intern : 01/2018 - 06/2018

Superfect Solutions (Coimbatore, India)

- Industrial Intern : 06/2017 - 06/2017

Skills

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|-------------------|------------|---------|-------------|------------|
| JavaScript | TypeScript | Node.js | Express.js | Java |
| Spring MVC | REST API | GraphQL | SQL | NoSQL |
| Serverless (FaaS) | Kafka | PWA | Electron.js | HTML & CSS |

Projects

Dell Wyse Management Suite: management solution to centrally configure, monitor, manage, and optimize Dell Hybrid Client powered endpoints and Dell thin clients. (Java, Spring, MongoDB, MySQL)

The solution also manages [Connected PCs](#) and provides WWAN based out-of-band below-the-OS telemetry and management designed as a defensive capability providing Remote Locate/Lock/Wipe.

Dell Apex Managed Device Service: aaS solution to provide managed IT. (Node.js, Cosmos DB, Azure Serverless, Java, Spring, MongoDB, MySQL)

- Led the development of a new microservice utilizing Azure serverless functions with Node.js, TypeScript & Cosmos DB.
- Ensured code quality and consistency by integrating ESLint and Prettier into the repo.
- Developed and integrated new REST APIs using both Node.js and Java Spring for the backend service.

Dell Hybrid Client - Cloud-aggregated File Explorer: (Node.js, Express, Electron, SQLite, Sequelize, Server-Sent Events, and REST API)

- Led the efforts for a modular integration of cloud storages into a file explorer.

Dell Hybrid Client - Azure Virtual Desktop Linux Remote Desktop Client: (Electron.js, Express.js, SQLite, Sequelize, REST API)

- Developed a cross-platform application to list, connect, and work with Azure Virtual Desktop and App sessions.

Education

- B.Tech in Information Technology, (07/2014 - 04/2018), Vellore Institute of Technology, Vellore, Tamil Nadu, India. CGPA: 8.92/10.

Achievements

- Dell GenNext Game Changers - 2024 Global Innovation Competition - Semi-finalists.
- Dell Inspire Recognition: Received every year from 2018 to 2024.
- Dell Client Solutions Hackathon & Avishkaar (An innovation competition): Participated every year and won awards globally & regionally.
- Admission to the B.Tech IT program under the STARS Scheme at Vellore Institute of Technology.

Patents - (4 Granted*, 3 Filed) in USPTO

1. Conferencing solutions for multi-monitor aware immersive collaboration experience: US 18/783490 (07/2024).
2. Managing Desktops at an Information Handling System: US 18/769876 (07/2024).
3. Managing Progressive Web Applications: US 18/671717 (05/2024).
4. Context-Based Intelligent Placement of Files in Aggregated Cloud Storage: US 18/164670 (02/2023) – 9/17/2024 -12,093,224* .
5. Intelligently Associating a File with an Application: US 18/049520 (10/2022) - 3/12/2024 - 11,928,079*.
6. Logging in to Modern Workspaces Using Different Cloud Identity Providers and Single Sign-On: US 18/047971 (10/2022) - 3/11/2025 - 12,250,211*.
7. Providing Access to Functionality of a Web Application via Microapps: US 18/047975 (10/2022) - 5/16/2023 - 11,652,871*.

Personal Projects

- Tabbed Clipboard History: Cross-platform Clipboard history application (Web & Electron apps from a single codebase) - sudhakar3697.github.io/clipboard-history
- node-clipboard-event (npm package): Clipboard change event for Node.js/Electron.js/NW.js - npmjs.com/package/clipboard-event
- node-detect-usb (npm package): Detect USB and get mount points/paths - npmjs.com/package/detect-usb