

# SRESAN THEVARAJAH

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## INNOVATIVE SOFTWARE ENGINEER

Resilient, innovative software engineer with 10+ years of experience delivering secure, scalable software and system integrations for world-class Fortune 500 companies. Collaborative team facilitator who empowers individual project ownership and leverages industry knowledge and technical expertise to drive operational success. Adapts to rapidly evolving technical landscape, managing, and delivering large-sale projects to improve and streamline end-user experiences.

### CORE COMPETENCIES

Software Engineering • Computer Science • Software Development • Risk Mitigation • Coding & Debugging • Leadership  
Process Improvements • Vulnerability Management • Project Management • Software Testing • Software Applications  
Data Analysis • Critical Thinking • Back-End Systems • Automation • UI/UX • Software Configuration • Agile

### EXPERIENCE

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9/2023- Present	<b>LIFTOFF</b> <b>Team Lead Manager</b> <ul style="list-style-type: none"><li>● Provided peer feedback and coaching to team members, fostering professional growth and improving team performance.</li><li>● Led a major initiative to enhance ad exploration mechanics, resulting in a 30% increase in exploration without compromising overall campaign performance.</li><li>● Developed and implemented career ladders, establishing clear progression paths and growth opportunities for employees within the company.</li></ul>	<b>REMOTE</b>
5/2022- 9/2023	<b>LIFTOFF</b> <b>Team Lead Engineer</b> <ul style="list-style-type: none"><li>● Led the Creative Serving Engineering team, ensuring efficient delivery and optimal performance of Mobile Ads.</li><li>● Boosted Net Revenue by 10% through projects enhancing Mobile Ad Performance.</li><li>● Enhanced the company's Experimentation process by standardizing Data Analysis and Collection procedures.</li><li>● Mentored and supported direct reports, fostering high productivity, career growth, and job satisfaction.</li><li>● Organized events to enhance cross-team collaboration within the Creative Engineering Organization.</li></ul>	<b>REMOTE</b>
2/2020- 3/2022	<b>MICROSOFT (NASDAQ: MSFT)</b> <b>Software Engineer II</b> <ul style="list-style-type: none"><li>● Hired to revitalize Microsoft Experimental Platform, with a focus on automation and long-range planning. Tasked with advising on major Windows OS upgrades enterprise wide (2021).</li><li>● Establish departmental plans in alignment with enterprise objectives to accelerate project execution. Enable developers to run secure experiments, aggregating data to inform future feature rollouts.</li><li>● Support new employee onboarding by providing training on writing clean, robust code at a large scale.</li></ul> <p><i>Select Projects</i></p> <ul style="list-style-type: none"><li>● <i>Windows OS Upgrade</i>; Selected to join Windows OS team to deliver well-tested, future-proofed code for massive system upgrade (2021). Project currently set to release new “Settings” features 3/2022.</li><li>● <i>Microsoft Experimental Platform</i>; Appointed to direct software engineering strategy/vision for experimentation platform (2020). Construct unique systems for accounts.microsoft.com to reduce manual labor and launch updated platform releases.<ul style="list-style-type: none"><li>○ Direct experimentation system team of three. Act as coach and mentor, guiding decision-making, best practices, security, and long-range road mapping.</li><li>○ Draft and review disaster recovery plan for experimentation platform.</li><li>○ Improve developer efficiency by automating manual work, reducing lost time by 300 minutes.</li></ul></li></ul>	<b>REMOTE</b>

- *Debugging Project*; Navigated complicated bugs in collaboration with department engineers. Isolated ~20 lines of code to discover singular block of coding that required debugging. Successfully remediated faulty code. Successfully eliminated sample ratio errors within data, allowing accelerated platform launch.

11/2017- **REDFIN** (NASDAQ: RDFN)

**SEATTLE, WA**

2/2020 **Software Engineer II, Recommendation System Architect**

- Promoted to architect Recommendation System to run Selenium Test on all code changes, ensuring high-quality code delivery and production. Improved monitoring infrastructure across all services to streamline internal communications regarding memory leaks, poor performance, and outages.
- Led team of three in developing internal tool to scan build logs and present potential lines for debugging. Maintained 99.92% prediction accuracy, improving overall developer efficiency by reducing manual work.
- Coached and mentored one intern over three months. Served as SME, assisting with technical challenges, architectural decisions, and career planning. Validated submitted code for accuracy and compliance.
- Utilized SonarQube to track code coverage of unit tests and Selenium Tests to maintain visibility.
  - Singlehandedly improved Security of MLS data ingestion infrastructure by developing incoming data pipeline focused on scrubbing text to protect against data injection accounts.
  - Added additional layer of security to internal database metrics to eliminate chances of malicious attacks on Redfin website.

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## EDUCATION

**UNIVERSITY OF WATERLOO**

**WATERLOO, ON**

Bachelor of Science, Computer Science

*Business Co-Op, Honors*

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## CERTIFICATIONS

- Artificial Intelligence, Colombia/EdX Online
- Principles of Machine Learning, EdX Online
- Applied Machine Learning, EdX Online
- Introduction to Artificial Intelligence, EdX Online

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## TECHNICAL

- *Tools & Software*: Microsoft SQL, MySQL, Kafka, iOS/Android, Github, StatsD, RethinkDB, Kubernetes, Hibernate, DynamoDB, PostgREST, MongoDB, HTTP, Jetty, Jest, Guice, Prometheus, NodeJS, React/React-Native, Junit, XML Schema, Jira, Confluence, Presto, Jasmine, Tableau, Databricks
- *Cloud Services*: Amazon Web Services (AWS), Google Cloud, Azure, Java Web Services
- *Languages*: Python, Java, Typescript/JavaScript, C#, JSON, Go, Clojure