Abilaesh Kandiah
Senior Software Engineer

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Highly accomplished Senior Full-Stack Software Engineer with 7+ years of experience in architecting, developing, and scaling complex software from the ground up, culminating in a successful company acquisition. Seeking a technical leadership role to drive innovation and mentor teams.

Education

Bachelor of Engineering, Computer Engineering   Sept 2014 – Apr 2018
Toronto Metropolitan University (formerly Ryerson University)   Toronto, CA

Experience

Senior Software Engineer   Aug 2018 – Feb 2025
Rampiva (acquired July 2023) ⟶ Nuix   Remote / Toronto, CA

As a core full-stack developer, helped build a Java-based automation platform that significantly improves data processing throughput – with reported improvements of over 350%.

- Led front-end development and built multiple React user interfaces with custom components, adhering to internationalization and WCAG accessibility standards
- Designed and implemented a full-stack legal hold notification system, with support for SSO links and sending emails via user-defined SMTP servers
- Spearheaded the design and build of a Java-to-React form builder utilizing reflections to auto-generate forms based on annotations, cutting front-end development time for nearly 200 operation forms
- Structured an automated Selenium end-to-end test suite (200+ use cases) integrated into the Jenkins pipeline, reducing post-release bugs by 80%
- Researched and developed guided full-stack connectors to both Google's and Microsoft's eDiscovery platforms, allowing users to complete end-to-end data preservation and collection
- Implemented a resumable data upload feature with the help of two open-source projects based on the tus protocol, supporting upload speeds of over 500 Mb/s
- Managed code repositories, dependencies and security vulnerabilities found via Snyk and Sonar
- Troubleshooted and fixed client and internal issues with the help of tools such as testing, code and network debuggers, stack traces and debug logs

Languages

Java, JavaScript, Python, Ruby, C, SQL, CSS, SASS, HTML, JSON, XML

Frameworks / Libraries

React, Redux, Redux-Sagas, Dropwizard, Spring, Selenium, JUnit, Express, Django

Cloud / DevOps

Azure, AWS, Google Cloud, Jenkins, Git, LDAP, Docker, VMs, Fiddler

Concepts

OOP, REST, OIDC, Full-stack, System Design, Concurrency, Streams, Encryption, Hashing, Caching, Databases

Key Projects

Automate Web UI/UX   2018 – 2025
Rampiva / Nuix

- Architected, owned and implemented the front-end web application for Automate with React, React-Redux and Redux-Sagas
- Designed and styled custom components, pages, forms, modals and views with an intent for modularity and composition
- Implemented caching, OIDC authentication, token refreshing, web worker scripts and virtual rendering
- Introduced internationalization with i18next and adhered to the WCAG accessibility standards

Web Upload via tus   2020
Rampiva

- Added data upload support to the Automate web UI by customizing and integrating open source projects based on the tus resumable file upload protocol
- Improved upload speed and file system writing over network shares with use of Java ByteBuffers and increased cache sizes

Legal Hold Notices & Surveys   2020 – 2021
Rampiva

- Designed and built a legal hold notification system within the Automate product
- Added support for SSO links and querying user data from Microsoft Entra ID and LDAP
- Split work processing into thread pools and stateful tasks to ease workload
- Integrated multi-threaded mechanism to send emails via user-defined SMTP servers
- Designed a normalized relational database schema to store objects and data

Microsoft eDiscovery Connector   2022 - 2024
Rampiva / Nuix

- Researched and developed a guided connector to the Microsoft eDiscovery tool, allowing for end-to-end data preservation and collection through automated workflows
- Integrated eDiscovery manager authentication via OIDC set up with Microsoft Entra ID

Java-to-React Form Builder   2023
Rampiva

- Designed and built a tool to auto-generate React forms based on annotated Java classes and fields, removing front-end development time and allowing forms to be created from back-end definitions
- Supports complex components such as input lists, tables and nested object forms via recursion (form builder within a form builder)
- Supports opinionated grid form design, labelling, styles and borders

Google Vault Connector   2024
Nuix

- Researched and developed a guided connector to the Google Vault eDiscovery tool, allowing for end-to-end data preservation and collection through automated workflows
- Integrated Vault administrator authentication via OIDC set up with Google Cloud