Abilaesh Kandiah

Senior Software Engineer

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Senior Software Engineer with a 7-year track record of building and scaling complex software from the ground up. Adept in multi-faceted roles and dynamic startup environments; previously worked as a key full-stack developer in an acquired eDiscovery automation startup. Seeking a 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 workflow automation platform that significantly improves data processing throughput – with reported improvements of over 350%. Built as a Java service with a React web UI.

- Led front-end development and built multiple React web applications 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 to auto-generate forms based on class 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.
- Researched and developed guided full-stack integrations 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 & Skills

Java, JavaScript, TypeScript, Python, Ruby, C, SQL, JSON, CSS, SASS, HTML, XML, OIDC, System Design, Agile, Hashes, Encryption, Caching, Databases, Streams, Web Development, Full-stack, Cloud, Containers, Virtual Machines, Authentication/Authorization

Tools & Services

React, Redux, Redux-Sagas, React-Router, Tailwind CSS, Dropwizard, Spring, Selenium, Junit, Docker, SQLite, Node, npm, Maven, Git, Bitbucket, Fiddler, Snyk, Sonar, Jenkins, AWS, Azure, Entra ID, Google Cloud, AD, LDAP, Linux

Key Projects

Automate Web Application   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.

Data 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 Notifications   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.
- Built a multi-threaded pool to send emails via user-defined SMTP servers.
- Designed a normalized relational database schema to store objects and data.

Microsoft eDiscovery Collector   2022 - 2024

Rampiva / Nuix

- Researched and developed a guided integration to the Microsoft Purview 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 Java class and field annotations, removing front-end development time and maintenance.
- 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 Collector   2024

Nuix

- Researched and developed a guided integration 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.