

Elakya Velumaniyan, Senior Frontend Engineer

+971 503170646, elakya.velumaniyan@gmail.com

LINKS

[Resume](#), [LinkedIn](#), [GitHub](#), [Business website](#), [Job hunt site](#), [Form Highlight site](#), [Hackerrank](#)

PROFILE

Talented software engineer with 8 years' experience building and maintaining features for cross browser extension in security industry. Proficient in **Javascript, React, HTML, CSS, Node, Python, Swift, modern frameworks, libraries and build system for UI development**. Passionate about cross browser extension solutions and have knowledge about extension posting process.

EMPLOYMENT HISTORY

Sep 2019 — Present

Senior Software Engineer, NortonLifeLock

Chennai

- Developing an IE11 support page for Norton portal that helps users to use different browsers and letting them know the end of support for IE.
- Redesigning the mobile unlock feature UI in Norton Password Manager extension to manage all the devices and lead the team of 3 to get it to closure.
- Understanding different build systems and designed a prototype to use Avira's password manager to be used in white labelled project. This helped team in arriving at solutions and features that can be incorporated in other products.
- Created a build system for Norton password manager extension using Jenkins that helped in solving the version inconsistencies across products.
- Designed and executed security measures such as encryption for a feature to onboard an user of password manager extension using QR code.
- Developed a single page application for Password Manager in Norton's e-commerce site. (<https://my.norton.com/extspa/passwordmanager>)
- Migrated Safari web extension to App extension for Norton Password Manager and Norton Safe web. That involves collaboration with in-house web designers to create sleek and innovative UI design.
- Researched new technologies, software packages and third party libraries to use in white labelling the password manager product across browser extension and mobile application.
- Designed a mock up and prototype to adhere to chrome's compliance policy and firefox privacy compliance.
- Developed a feature support to import passwords from other competitor password managers like Dashlane and Lastpass.
- Adhering to Firefox's privacy policy update to get the user consent before collecting user data to be sent to the backend.
- Designed an approach to improve the web page analysis performance that helped in decreasing the page load time to 1sec from 10secs in high content sites.
- Helped an external team with testing, troubleshooting methods and documented resolutions to support 3rd party sign in like google and apple in the Password Manager login.
- Fixed pen test defects with unit tests including event handling in the extension to differentiate user events from script events and passwords being saved in raw format in local disk.
- Awarded best employee of the quarter 2019 and received an amount of 7K INR.
- Awarded star of the sprint continuously for more than 4 times.

Technology used : React, Javascript, Typescript, HTML, CSS and AWS

Sep 2017 — Sep 2019

Software Engineer, Symantec

Chennai

- Implemented features for extensions to let user authenticate extension vault using mobile application.
- Created a common framework for 2 extension - Norton password manager and Norton Safe web that helped in using reusable code and decrease the time to implement.
- Helped team in resolving technical issues when designing the safari app extension that helped team with debug options, solve a compliance policy threat.
- Fixed defects in the safari app extension build that are critical for release, wrote UT wherever needed.
- Fixed defects that were raised as part of localization team for the UI, that is developed by the team.
- Worked collaboratively with teams to create an initial build for safari app extension in order to resolve the dependencies for other teams.
- Designed and updated layouts to meet usability and performance requirements for Password generator in Norton Password Manager extension.
- Conceived and built optimized landing pages, dashboards and modals in password manager product including cross-browser compatibility.
- Applied Apple's Swift development language for iOS platform to reset vault password in Norton Password Manager mobile application using the bio-metric of the phone.

- Established best practices and innovative solutions to enhance production rates and output quality when developing Safety dashboard for Norton Password Manager extension.
- Implemented a feature to export the vault data in CSV format for Norton Password Manager extension.
- Automated mobile unlock feature using mobile data mock after coordinating the same with mobile team which helped in accepting a build for release.

Technology used : React, Javascript, HTML, CSS, Swift and Python

Sep 2015 — Sep 2017

Associate Software Engineer / Automation Lead, Symantec

Chennai

- Developed support for credit card auto fill for more than 500 sites when using Norton password manager browser extension.
- Modified the technology (C++) used in the web analysis engine to change it to Javascript to be used across browsers.
- Promoted as an automation lead for a team of 10 and automated test cases that were done as part of feature additions to browser extensions which helped in team with more than 100 hours of manual testing.
- Automated BA test cases for Identity safe product that is been used in main product Norton 360, which helped team with pushing the build to acceptance.
- Owned a product named FSD for installing Norton 360 products in desktop and send telemetry to get the KPI for the usage of that product.
- Developed a tool to get the number of extensions installed for a browser in a machine.
- Developed features for toolbar and extensions in Chrome, Firefox and IE such as home page and default search provider.
- Developed a 64 bit version of Norton 360 product and supported visual studio updates.

Technology used : Javascript, Python, Selenium framework and C++

Jul 2013 — Sep 2015

Associate Software Quality Assurance Engineer, Symantec

Chennai

- Developed an automation tool to automate UI test cases using Ranorex which reduced more than 500 hrs of manual execution.
- Maintained the integrity of test cases and adopted new frameworks to automate web based test cases.
- Tested and given quality assurance to builds for Norton 360.
- Reviewed more than 100 cases automated by contract employees and given feedback to get a quality test case.
- Attended support calls every week and get feedback of the product and given the requirements to team to develop the features user needs or fix any defects customer reported.
- Fixed defects coming in automation test cases so that it can be used for every build to test the features.
- Given knowledge transfer to newbies coming into the team so that they get to know the product better in short time.
- Given knowledge transfer about C++ to testing team, so they can get started with fixing minor defects.
- Developed a defect tracking app with the use of internal defect reporter tool which will send mail everyday about the status of the defects created, closed, in progress to the team mates and also to manager.

Technology used : Python, Selenium framework, Ranorex tool

EDUCATION

Jul 2007 — Jul 2009

Higher secondary, Kurinji Matriculation Higher Secondary School

Namakkal

Graduated with 96%

Aug 2009 — Jun 2013

Bachelor in Information Technology, College of Engineering, Guindy

Chennai

Graduated with 82%

SKILLS

JavaScript (ES6)	Expert	AWS	Experienced
ReactJs	Expert	Jasmine Framework	Experienced
HTML5	Expert	Jest	Experienced
CSS3	Expert	Swift	Skillful
NodeJs	Experienced	Objective C	Skillful
Python	Skillful		

CERTIFICATIONS

Javascript Basic Certification from Hackerrank

<https://www.hackerrank.com/certificates/ad04232b65df>

Javascript Intermediate Certification from Hackerrank

<https://www.hackerrank.com/certificates/924657f0754a>

React Basic Certification from Hackerrank

<https://www.hackerrank.com/certificates/60e6363634f6>

LANGUAGES

English

Highly proficient

ADDITIONAL ACTIVITIES

Feb 2020 — Feb 2020

Code-a-thon

Chennai

Developed a feature for the extension to have a backup for the vault data and provide the user with last vault data in case if the vault got corrupted.

Technology used : DynamoDB, AWS Lambda, Api gateway, Javascript, ReactJs

Jan 2018 — Jan 2018

Code-a-thon

Chennai

Designed an architecture to improve the performance of web analysis engine and won 1st place in that, which is been later incorporated in production extension and released the same year.

Technology used : Javascript, Python

Dec 2015 — Dec 2015

Perk Hackathon

Bangalore

Participated in a nation wide hackathon and developed a stock market app.

Technology used : phoneGap, HTML, CSS, Javascript

Mar 2015 — Mar 2015

Alchemy 2015

Chennai

Designed a full website for the event that lets user to register for an event and submit the draft and also final apps/paper.

Technology used : HTML, CSS, Javascript

Mar 2014 — Mar 2014

Alchemy 2014

Chennai

Developed an iOS app for managers to use and track the defects that their reporters have. Won 2nd price for this app.

Technology used : Objective C

Feb 2014 — Feb 2014

Save the hacker

Chennai

Participated in a world wide hackathon event conducted by Freshworks and developed a new extension for highlighting the text in wikipedia or any page and share it with a friend.

Technology used : Javascript, MySQL

REFERENCES

References available upon request