



# Karthickeyan Narasimhan

Senior Software Engineer

A polyglot programmer with expertise in building scalable, efficient, and robust B2B SaaS products. Loves to solve complex engineering challenges. Regularly talks about web technologies and Cloud in tech conferences globally.

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## WORK EXPERIENCE

### Senior Software Engineer

Freshworks [↗](#)

09/2017 – Present Chennai, India  
Leading B2B SaaS Company building customer-for-life Software.

Achievements/Tasks

- Implemented FlywayDB to Simplify Database Migration.
- Reduced application load time from > 20seconds to < 2seconds by optimizing Java code & DB queries, and implemented lazy-loading of APIs.
- Containerized monolithic application into independent microservices. Implemented Kubernetes for deployments and adopted Istio as service mesh.
- Reduced cost by 27% by optimizing the use of AWS resources
- Implemented SonarQube - static code analyzer, as part of SAST integration in CI pipeline and fixed critical security bugs.
- Implemented advanced segmentation in Freshmarketer which allows grouping data at a very granular level. [↗](#)

### Full Stack Web Developer

Zarget (Acquired by Freshworks) [↗](#)

07/2016 – 08/2017 Chennai, India  
B2B SaaS based Conversion Rate Optimization tool.

Achievements/Tasks

- Built 3rd party integration team that ensured Zarget's integration with services like Wordpress, Magento, Google Analytics, Hubspot, Salesforce, and Intercom. Mentored 4 new recruits while at it.
- Built feature that helped users upload large audiences from CSV/TSV file, to be used in advanced targeting based on query params & cookie value.
- Simplified build automation using Gradle tasks.

### Software Developer Intern

Glosys Technologies Pvt Ltd

02/2016 – 05/2016 Chennai, India  
An innovative Startup, building B2B SaaS products for SMB's.

Achievements/Tasks

- Collaboratively employed A-priori algorithm to perform storage assignment within the warehouse management system, reducing order picking time by 23%.
- Applied Data mining algorithms like Naïve Bayes algorithm, J Rip algorithm & Decision table algorithm for predicting customer loyalty for consumption based on decision factors such as seasonal privileges, discounts, etc.

## EDUCATION

### SRM Easwari Engineering College

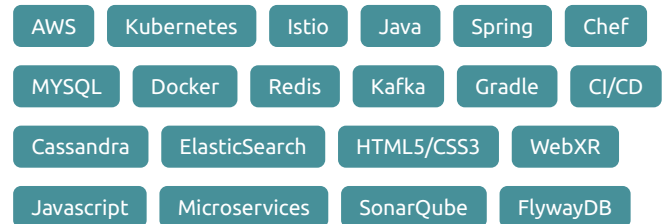
Anna University

09/2012 – 06/2016 Chennai, India

Courses

- B.Tech. Information Technology (CGPA - 7.93/10)

## SKILLS



## PERSONAL PROJECTS

FreshURL (04/2019 – 06/2019) [↗](#)

- All-in-one Link Management tool similar to bitly.com.

Co-Founded Mozilla Tamilnadu Community (02/2013 – Present) [↗](#)

- A regional community in the state of Tamilnadu with a goal to spread awareness about open-source technologies, educate about online privacy and help create a safe and better web for all. It is currently one of the most active open-source communities in India.

Founded Madlygeek.in (04/2012 – Present) [↗](#)

- A Tech blog on DIY How-to tutorials, Gadget reviews and more.

Created Network Packet Monitor (06/2014 – 07/2014)

- As an Intern at Skillveri learning Solutions - Incubated at IIT-Madras.

Co-Developed my College Website (05/2015 – 08/2015) [↗](#)

- Built on Wordpress CMS.

## ACHIEVEMENTS

International Tech Speaker [↗](#)

Invited as a speaker in PromptConf-Chicago, USA; OdessaJS, Ukraine; TS Meet Paris 2018 & Singapore 2019, DevDay DaNang, Vietnam; and in many regional colleges.

Brand Champion - Freshworks [↗](#)

For Representing Freshworks as a Speaker at International Conferences.

Best Maker Award - Freshlabs [↗](#)

For Building FreshURL- All-in-one Link Management tool similar to bitly.

Listed in about:credits page of Firefox [↗](#)

For Active Contribution to Open Source projects of Mozilla Foundation.

Engineering Award - Freshworks

For my exceptional work on implementing FlywayDB across the Freshworks Org.

Most Valuable Professional - Freshworks

Rated as MVP (top 3%) for my performance in Freshworks and promoted to Senior Software Engineer.

Mozilla Representative - India (07/2017 – Present) [↗](#)

Mobilize and develop functional and regional Mozilla communities. Committed to educate and empower people to support Mozilla's mission.

Vice president of Student Association (07/2014 – 07/2015)

Co-organized National level technical symposium - Pinnacle. Arranged Industrial Tour, Tech Workshops etc. Inaugurated Entrepreneurship Development Cell.