

Harsha Ivaturi

Front End Engineer

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Summary

I'm a Front End Engineer with over 12 years of experience in web development. I'm passionate about creating a web that is accessible to all and love exploring the latest web technologies.

KEY SKILLS

CORE WEB TECHNOLOGIES

Typescript/Javascript, HTML(5), CSS(3)/SASS, Browser and DOM APIs

JAVASCRIPT FRAMEWORKS AND LIBRARIES

React and React Ecosystem, Svelte, Angular, Ramda, Lodash, and jQuery

OTHER WEB TECHNOLOGIES

Webpack, NPM build scripts, Codemods, custom ESLint plugins

Test frameworks

Testing library, Jest, Enzyme, Webdriver

SERVER SIDE

Ruby on Rails, Node.js, and GraphQL

PROFESSIONAL EXPERIENCE

ATLASSIAN Sydney

Feb '18–Present

Tech Stack — Javascript, React, Webpack

- Currently working on the Atlassian Design System team which builds, maintains and services a set of more than 70 React components which serves as the UI foundation of all Atlassian products and ecosystem vendors. We also provide tooling and infrastructure like Codemods, design tokens and custom ESLint plugins which make it easy for other teams to use the components.
- Led the initiative to develop prototypes for Primitive components. These spikes led to creation of a robust set of foundational components which are accessible by default, improve developer productivity, and enable the evolution of the Design System at scale.
- Led a team of 12 engineers to drastically improve performance of all the Design System components and modernise the aging codebase to set it up for future upgrades. We also implemented tooling to help products consume these optimised components.
- Led a team of 8 engineers to develop new horizontal navigation system. This helped Jira drastically improve their page load performance and Confluence improve their customer satisfaction scores.
- Worked on multiple projects to migrate the Design System components to modern tech stacks. For eg, Flow to Typescript, styled-components to Emotion.
- Worked with Jira and Confluence to implement the vertical navigation system of components.

GRAB Singapore

Mar '16–Dec '17

Tech Stack — React, Redux, Webpack, Ruby on Rails, GraphQL, Apollo, Redis, MySQL

- Worked full-stack on Gamma — a business critical internal tool, used to manage operations at Grab.
- Worked full-stack on Hub — a self serving portal targeting Passengers and Business to help manage their rides.
- Setup modular React component library to unify the UI for all of Grab's Web apps
- Monitor and fine tune performance of applications, assess and fix critical security vulnerabilities
- Promote Agile practices to help efficient product delivery

XENEX ThoughtWorks, Gurgaon

Jul '15–Feb'16

Tech Stack — Angular, CoffeeScript, Bootstrap, LESS, Java

- Integration with existing portal using iFrames and PostMessage
- Ensure performance of Angular grid on a data heavy form
- UX inputs and paper prototyping
- Setup atomic design and mobile first CSS

MINISTRY OF MANPOWER ThoughtWorks, Singapore

Aug '14–Apr'15

Tech Stack — Angular, Sass, Bourbon, Neat, RoR

- Style guide driven development to quick UI prototyping and consistency
- Mobile first and Progressive enhancement
- Setup front end architecture
- Accessibility

[INDIGO AIRLINES](#) ThoughtWorks, Gurgaon
Tech Stack — [iOS SDK](#), [NodeJS](#) and [Express](#)

Apr '14–Aug '14

- Setup NodeJS API server
- iOS development with TDD
- UX and interaction design of the app

[HEALTHCARE AT HOME](#) ThoughtWorks, Gurgaon

Mar '13–Apr '14

Tech Stack — [CanJS](#), [CoffeeScript](#), [LocalStorage](#) and [AppCache](#), [LESS](#) [Bootstrap](#), [RoR](#)

- Mobile web app development
- Offline support for mobile web app
- Setup front end architecture
- Object oriented JS with modules for backend app

IBA DIGITAL ThoughtWorks, Gurgaon

Aug '12–Feb '13

Tech Stack — [Backbone.js](#), [jQuery](#), [Sass](#), [Slim/Haml](#), [RoR](#)

- Semantic HTML
- Cross browser compatibility
- Front end best practices for nifty performance

[TALENT MANAGEMENT SYSTEM](#) PeopleFluent, Bangalore

Aug '10 – Feb '12

Tech Stack — [jQuery](#), [jQuery Mobile](#), [Java](#), [Spring MVC](#)

- Mobile Web app for facilitating feedback using jQuery Mobile
- UA sniffing to detect mobile devices
- HTML5 form validation

PERSONAL PROJECTS

[CONVERTER PLUGIN FOR CEREBRO](#)

Tech Stack — [ES2016](#), [Ramda](#), [Mocha](#), [Chai](#), [Sinon](#), and [Flow type](#)

- Works offline by caching exchange rates in local storage
- Functional programming practices like function composition, point free programming and pure functions
- Flow type to implement static type checking

[DICEWARE PASSWORD GENERATOR](#)

Tech Stack—[Javascript](#) and [Webcrypto Api](#), [Diceware word lists](#)

- Implementation of Diceware password generator
- Support for various languages
- Support for extra security by adding special characters

[POLAR CLOCK CANVAS](#)

Tech Stack—[Javascript](#) and [Canvas API](#)

- Based on idea by PixelBreaker
- Adapts to screen size

EDUCATION

Bachelor of Engineering in Computer Sciences in 2010

OTHER INTERESTS RELATED TO WEB

- Function programming
- Accessibility and Universal design
- Web security and performance
- Typography
- Interaction design