



530-570-0559  
koneru.priyanka@gmail.com  
San Francisco, CA

# Priyanka Koneru

[GitHub](#)  
[LinkedIn](#)

## Technical Skills:

---

**Front End:** ES6, React JS, Redux, MobX, TypeScript, Angular JS, Backbone, jQuery, Object Oriented Javascript, HTML5, CSS3, SCSS, Ajax, Babel, Webpack, npm, yarn, Grunt  
**Testing Frameworks:** Mocha / Chai, Jest, Enzyme, React Testing Library, Karma, Protractor, Jasmine  
**Back end:** Node JS, Express, Passport JS  
**Databases:** MySQL, MongoDB  
**Version Control Tools:** GIT, Tortoise SVN  
**Analyzing Tools:** POSTMAN, Splunk, New Relic, Omniture, K6  
**Web Services:** REST API, AWS (S3, EC2, Amazon Cloud Watch, AMI)  
**CI:** Docker, Jenkins  
**IDE's:** VS Code, WebStorm, Idea IntelliJ, Eclipse, Sublime Text  
**Software Development Models:** Agile, Kanban, Waterfall  
**Bug Tracking Tools:** Jira

## Experience:

---

### ***Sr Web Developer (Adobe Systems Inc, San Francisco, CA)***

**Technologies/Tools Utilized:** - React JS, MobX, TypeScript, Yarn, Backbone JS, Node JS, NPM, GIT, Grunt, Gulp, SCSS, Restful API's, JQuery, Docker, AWS, VS Code

- Transformed a legacy Bootstrap application and was responsible for re-architecting the application to use React JS on the front end, and Mob X for state management which improved the performance of the cloud application by 90% and the load time improved to 2.5 seconds.
- Built multiple react stand-alone components like list/grid, report abuse, versioning using AWS, Azure web services.
- Achieved 80% unit-test coverage using Jest.
- Handled production on-call support, continuous deployment process and gathering the statistics using Splunk, New Relic and Omniture.
- Built an application that works on different browsers, devices, supports 23 locales and is section 508 compliant.

### ***Sr Web Developer (Hotwire/Expedia, San Francisco, CA)***

**Technologies/Tools Utilized:** - Angular JS, Bootstrap, Node JS, NPM, GIT, Stash, Grunt, Bower, Karma, Protractor, Jasmine, Optimizely, SCSS, Restful API's, Web Storm, JQuery, Advanced rest client chrome plugin, firebug, JSP, Tiles.

- Transformed a legacy JSP, Java spring based application and was part of re-architecting the application to use AngularJS in the frontend and micro services on the backend that improved the performance of the progressive web application by 98% and load time improved to 2.9 seconds.
- Worked on all the responsive components of the application.
- Improved unit-test and e2e test coverage by 80%.
- Built an app that works on different browsers, devices, supports 10 locales and is section 508 compliant.

## Software Engineering Projects:

---

**Software Engineering Immersive Program (Hack Reactor, San Francisco, CA) Mar 2020 - June 2020**  
**Full Stack Image Carousel Component, ([https://github.com/koneru123/yelp\\_images](https://github.com/koneru123/yelp_images))**

**FrontEnd :-** JavaScript, React JS, React Hooks, Jest, Enzyme, Styled Components

**Web Server :-** Node JS, Express, Docker, AWS (S3 & EC2)

**Database :-** MySQL

- Built a full stack responsive web application, developed components using React hooks to efficiently manage complex component state and used Styled Components for UI.
- Incorporated testing using Jest and Enzyme during development to minimize bugs and automate testing, achieving 80% test coverage.
- Contained components using Docker to obtain a micro service architecture and deployed to two AWS EC2 instances and developed an Express proxy server that handled routing to team microservices.
- Optimized page load speed by reducing the script load size from 3MB to 193KB and improving the page load time from 6.3seconds to 2.4seconds by implementing webpack bundle analyzer.
- Designed RESTful API routes to fetch data from a MySQL database and static content is hosted on AWS S3.

**Back End System Design of a full stack Shoe Recommendation Component**

**<https://github.com/6-the-sixee-team/adidas-related-info>**

**FrontEnd :-** JavaScript, React JS

**Web Server :-** Node JS, Express, Docker, AWS (S3, EC2, Amazon Cloud Watch, AMI), Redis, loader.io, K6, New Relic, NGINX

**Database :-** MySQL, MongoDB with 10M records

- Designed RESTful API to handle CRUD operations and benchmarked MySQL and MongoDB to determine optimal database based on performance under load with 10 million records.
- Deployed the application to AWS(EC2) instance, stress tested high traffic load using K6 and loader.io by collecting performance metrics using New Relic dashboard.
- Horizontally scaled the microservice across 1DB, 4 web servers, 1 load balancer using NGINX to handle 1000 requests per second, with below 600ms latency and identified the system bottlenecks using Amazon Cloud Watch and New Relic.
- Implemented caching using Redis for effective read operations and further improved latency by 150%.

**Full Stack Document Management Application, ([https://github.com/koneru123/personal\\_blog](https://github.com/koneru123/personal_blog))**

**FrontEnd :-** JavaScript, React JS, React Hooks, React Router, Styled Components

**Web Server :-** Node JS, Express, Passport JS

**Database :-** MongoDB

- Built a full stack web application, where users can sign up, login, create a document, manage documents, update and delete the documents.
- Built login authentication using passport JS.
- Designed RESTful API to handle CRUD operations using node JS and Express.
- Handled validation on the API endpoints.

## Education:

---

**Hack Reactor** - Advanced Software Engineering Immersive

2020

**Master of Science in Computer Science**

2009

- California State University, Chico, CA

**Bachelor of Technology in Computer Science and Engineering**

2006

- Jawaharlal Nehru Technology University, Hyderabad, India.