Rajat Malik

Lead SoftwareEngineer

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PROFESSIONAL PROFILE

I am a frontend Engineer, having extensive experience in designing, developing and optimizing web, especially for big brands following their enterprise grade development processes. I have an expertise in designing high-performance, secure, and scalable web along with exposure in architecture design, development, and maintenance key componentsofwebapplications,integrating 3rd-party APIS and system deployment.

PROFESSIONAL EXPERIENCE

LEAD SOFTWARE ENGINEER

SIEMENS | July 21 – Present

Sensformer/ Sensgear/ Carepole (Sensproducts)
I have contributed in design, development and optimization of application. Application is related to health monitoring of electrical equipment with smart chart, heatmap and others, in a substation with live data on a dashboard and used Spring Boot to expose REST APIs with MySQL and Spring Data. Also, AWS services like Cognito, S3, Lambda and EC2 for authentication,filestorageanddeployment of applications

Sensformer won award by NASSCOM for - Technology Excellence in Internet of Things (2019)
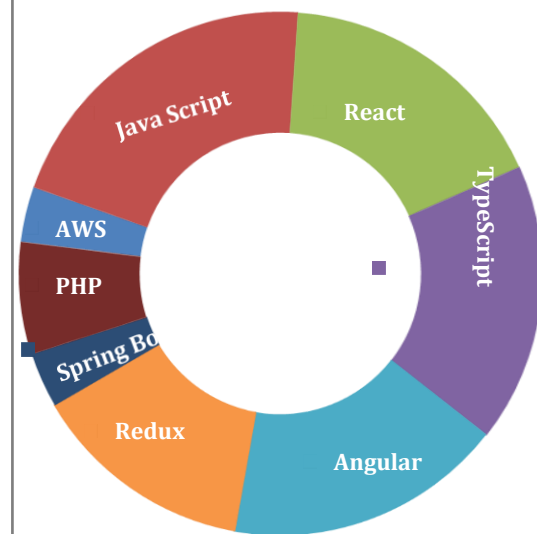
Achievements/Tasks

- Heavily contributed to frontend application development with quality code with no bug and 90% fast user experience using Angular.
- I am proud, to do application optimization from 20 to 97 for light house.
- Optimized web vitals LCP, FID, CLS that give 80% rich experience to user.
- Contributed in Security, memory leakage, quick and better user experience. It improves application runtime performance by 48%.
- Wrote unit test cases using JUnit and Mockito framework in Java and using Jasmine framework in Angular up to 90%.
- Libraries like Material, Bootstrap, NG Prime, Plotly, chartjs & more for fast, interactive and responsive UI development along with very rich, interactive charts to give secure,fast&betterenduserexperience.
- Contributed in code reviews and suggested ways to improve code quality and performance that reduce bug, development time by 10%.
- Backend application development with Spring Boot and Spring Data for exposing REST APIs to an Angular app.
- Design and develop Digital Twin, a disrupter of transformer industry and market. It helps to predict, future and reduce maintains cost, early alarm, warning signals to proactive dealing of operational issues, thus, facilitating faster power restoration and outage reversal.
- Have experience with AGILE methodology for software development.

EDUCATION

B. Tech (*Computer Science Engineering***) | Rajasthan Techinal University | Ajmer 2007-2012**

SKILLS

(Donut chart: Java Script, React, TypeScript, Angular, Redux, Spring Boot, PHP, AWS)

PROFESSIONAL

- *SIEMENS*
  07/2021   -   Till
- *HCL*
  06/2016   -   06/2021
- *AllCAD Services*
  05/2013   -   06/2016
- *Praeceps Tech*
  08/2013   -   03/2015
- *Gempulse Info*
  02/2012   -   07/2013

LANGUAGES

English	●	●	●	●	●
Hindi	●	●	●	●	●
French	●	●	●	○	○

PROFESSIONAL EXPERIENCE

SENIOR LEAD ENGINEER

HCL | Jun 16 – Jun 21

Royal Mail Group is a British multinational postal service and courier company as a department of the English government. The company's subsidiary Royal Mail Group Limited operates the brands Royal Mail and Parcel force. I am in support for live running application TES2, CMM & user experience that is developed by our us and I am one of core team member. Now we are pushing application to stable state & making more flexible with global customer fit for

- I am owning Delivery and POD section of application. It is one of most difficult.
- My responsibility was owing incident and interact with customer directly and resolve bug and update code base publish the build to production.
- Process is having a very strict deadline based on priority, that we need to meet. It was quite challenging, But I enjoy the new learnings.

Royal Mail Group is a British multinational postal service and courier company. TES stand for Tracking Enquiry System. It is design for RMG internal used only. User is able to track parcel. It helps them to deliver parcel as well. TES2 having is categories between Overview, POD, pre-advise detail.
POD (proof of delivery). It has all the proof of parcel delivery, Delivery information like printed name, date etc. View in map between delivery location and delivery office. Proof image. Image can mark image as private or public. All the detail can be download. TES2 added 15% increment in productivity to customer.

- My responsibility was for POD page. It was a critical and complex part of application. I was reporting to project manager
- I was leading client communication with team for any new requirement, modification or all the other client activity.
- Technology that was user is React, Redux, HTML, CSS, GIT, Confluence, Jira, Node, Agile, NPM.
- As part of team, I was working on most complex and critical part of application like PDF generation, Display vector/safe-place image, login with SSO
- Handle image and response from different server based on nearby location. Optimized image rendering, updating, application speed, cache user recent activity, search, barcode etc.

EXPERIENCE CONTINUED...

RMG is a UK based GOV mail distribution system. CMM (Carrier Management monitor) was targeted to office use only. where office member can track packages by all transport medium like Airways etc. Transportation of parcel was divided in to several category like consignment, container, Receptacle, Parecon.

pre-advice of consignment the parecon message provides information about a consignment, a group of mail receptacles which have been prepared for handover to an airline for transport between the two posts concerned, and is used to pre- advice the destination post, thereby facilitating resource planning for the processing of the incoming mail. It saves 5% time of every member of organization.

- My responsibility was for consignment search which filter consignment based on destination, status, carrier and date range for last 13 months
- It was much complex application, where a massive quantity of parcels was loaded and balanced with a smooth flow of data. It is a very user friendly, self- explanatory application.
- Technology that was user is Angular, HTML, CSS, GIT, Confluence, Jira, Agile, jasmine, JSON, JDOC, Bootstrap, NPM.
- Single Sing on was a challenging part, where we need to get login user information from active directory of server.

AT&T, is an American multinational conglomerate holding company, it is the world's largest telecommunications company. The largest provider of mobile telephone services in the United States.

We were developing their combine cart checkout process for his e-commerce application. Earlier there was there 2-3 different cart which vary on items and flow. But in CCC we develop single cart base application for all items and all flows (wireless & wireline). This project was started with new technology like Jasmine, Karma and Angular. They observe massive sales increment after CCC deployment for every month.

As it was a complex project. We were targeting performance from stating and performance was a major point for this project. Project was divided between modules and every module was built with different independent component/directives while developing we also focusing for reusing of component as Components are independent and having isolated scope for them.

It was challenge for us to make communication between them. Having thin deadline and giving extra efforts, we have successfully delivered this project.

- Achievement is Deliver on time, worked on very thin dead line, Extra efforts to meet dead line, Complete with minimum defects
- Technology that was user is Angular, HTML, CSS, GIT, Confluence, Jira, Agile, jasmine, Karma, JSON, JDOC, Bootstrap

TECHNICAL

- Node Js
- Unit Test Case
- Jest
- Jasmine
- karma
- Enzyme
- jQuery
- Bootstrap
- Algorithms
- Data Structures
- Problem Solving
- Agile
- No SQL
- Git
- MongoDB
- NPM
- Rest API
- Yarn
- Code Review
- Debugging
- Optimization
- Security
- Troubleshoot

AREA OF INTEREST

- Web Engineer
- App developer
- Machin Learning(ML)
- IOT
- TensorFlow
- Augmented Reality
- Web 3
- Block Chain by Solidity

SENIOR SOFTWARE ENGINEER

ALLCAD **|** May 15 – Jun 16

It is a finance related software. Which is different from other finance tool. In this we are solving many problems which we are facing now days in accounting like digital documentation and small budget company who cannot afford accountant etc. It is a bout of India project from Dubai. It was module-based architecture (Single page application) SPA. I have worked as web developer on many modules of it like scanned document management, calculator etc. This software occupying market very fast in Dubai. They have occupying 0.09% market.

- My responsibility was for scanned document management. Here user have faciality to upload document by physical scan copy, by URL, by Image or by all other mean of creating document.
- Technology that was user is framework AngularJS, HTML, CSS, GIT, jasmine, Karma, Node.
- As a Software Development, I was mainly focused on Speed of application Performance optimization by using caching & memorization etc.