ADITYA MUNDHARA

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**Summary**

* Gone through complete SDLC in Angular and Nodejs.
* Intensively worked with Edge and Cloud computing distributed systems for industry IOT.
* Worked extensively on TDD (test driven) approach for many major components. Worked with gtest, mocha, Jasmine for unit testing for different programming environments.
* Have a good understanding of C++ and have worked in implementing Node – C++ communication and dockerizing applications (C++ , angular or node).
* Have understanding on building charts using D3.js or Highcharts.

**Professional Skills**

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| --- | --- | --- |
| **Sl. no** | **Skills** | **Level** |
| 1 | Angular 5+ | Advance |
| 2 | Node JS (Express and Koa) ,Postgres Sql | Advance |
| 3 | JavaScript / TypeScript | Advance |
| 4 | HTML | Advance |
| 5 | D3.JS,HighCharts, NGRX-store, Jasmine | Advance |
| 6 | CSS, SCSS/SASS | Advance |
| 7 | Docker | Intermediate |
| 8 | C++ | Intermediate |

**Employment History**

**Siemens Technology and Services (2 years & 10 months)**

1. Intern (January 2018 - June 2018) (6 months)
2. Software Engineer (July 2018 – Present) (2 years &4 months)

* **Projects**

**1)Edge DataServices**

**Description –**Developing support for Cloud applications to migrate to Edge environment and Siemens comfort panels using Docker containers and extending our services to other applications for KPI and OEE calculation/creations.

**Roles and Responsibilities-** Worked as a backend developer,creating micro services and inter communication between multiple applications using Mqtt protocol and REST api’s.

**Technologies Used –** Typescript**,** Express js**,** Nodejs, Docker, Postgres sql, MQTT

**2)Unified@Edge**

**Description –** Dockerizing Wincc unified application with services responsible to start and stop the project and to provide tag values to a central data lake. Providing opportunities for other applications to utilize the data provided inside edge environment.

**Roles and Responsibilities-** Developing layer to communicate between broker and publisher to publish tag values from Unified app. Dockerizing the application and Jenkins setup to create a clean build process for our application. Creating channel to communicate between node REST API’s with C++ libraries using Node addon’s.

**Technologies Used –** C++, Nodejs, Docker, Angular, Jenkins, Cmake, MQTT

**3)Wincc UA cloud services**

**Worked on following applications:**

* + **Energy Manager**
  + **Performance Insight**
  + **Notifier App**

**Description –** This is a R&D project for developing Mind Apps for factory automation domain. These applications showed performance analysis and monitoring of the assets.

**Roles and Responsibilities –** Workedas a frontend developer responsible for developing UI. Worked with many styling guide including Siemens own design guide, creating charts not only using framework like Highcharts, but also designed charts using D3.js . Also helped in deciding whether styling guide is suitable for our application.

**Technologies Used –** Typescript, Angular 5+, D3.JS, Jasmine, NGRX store, Ng prime, Angular material, Mindsphere design system and SCSS/SASS.

**4) Integrated Management System Web Portal**

**Description-** Internal Siemens project which is a central source for all the documents that supports collaboration between projects along with their respective business partners.

**Roles and Responsibilities-** Backend developer responsible for authentication using windows active directory and implementing backend for the application.

**Technologies Used –** Typescript, KOA

**Education**

* SRM institute of science and technology

Btech (Computer science and engineering)

CGPA: 9.03

* Ambuja vidya peeth

12th (CBSE)

Percentage: 83.8%

* Ambuja vidya peeth

10th (CBSE)

Percentage: 91.2%