

# Senior Software Engineer



## ASHUTOSH PADHI

### OBJECTIVE

To advance my career to the next level by orchestrating cutting edge enterprise solutions embracing diverse technologies. Seeking a role of Senior Software Engineer to achieve the former.

🎂 16/11/1991

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### EDUCATION

**Bachelor of technology in Electronics & Instrumentation engineering**

**Master of Technology in VLSI design and Embedded systems**

NIT Rourkela  
2010 - 2015

### Experience

#### ▶ Pursuing Life Goals (Jun 2022 - Present)

- It was a humble effort to elevate my life to the level of my expectation. What did I get out of it? More productivity, fluidity in thought process, better way to lead my life.

#### ▶ o9 Solutions (Nov 2018 - May 2022)

SOFTWARE ENGINEER

- Contributed dozens of new features to a domain specific collaboration platform.
- Outpaced myself by undertaking a server side developer role. Developed REST APIs integrating MongoDB, SQL DB, Web Sockets and other server components with DotNet as the primary language.
- Maximized performance of many of the APIs by reducing the response time in 10s of seconds.
- Fostered the NLP Search project for a year, following that mentored and be part of the NLP Team responsible for developing full text search.
- Achieved outstanding skills in MongoDB aggregation framework by producing desired data churning APIs.
- Collaborated with project team and UX team for delivering NLP Search features end to end.
- Responsible for testing pushing solr upgrades.
- Invented algorithms and modules for domain specific temporal search and numeric search
- Expanded my domain knowledge by performing root cause analysis of hard to catch tricky production issues.
- Quality of my documentation, PR records and commit messages are acknowledged multiple times.

#### ▶ Tata Consultancy Services

SYSTEM ENGINEER (Feb 2016 - Oct 2018)

#### ● DiNC clinicograph as Lead Developer 11/17 - 10/18

- Harmonized the team of 3 to deliver the product in record time
- Integrated D3.js with Angular to produce visually impressive UI Components.

## Projects

### Rubik's Cube

- Composed the 3D cube with CSS. Formulated a way in Javascript and CSS to do face rotation animation.
- Utilized WebPack for tooling, Sass for theming and styling, JSDoc for documenting.
- With this implementation faces of the cube can be altered to have any color or image, also cube of any size can be simulated.

<https://ashutosh-padhi.github.io/projects/rubiks>

<https://github.com/ashutosh-padhi/cube>

### 2048 Game

- Batteries included. A complete redesign of the 2048 game.
- The game board size, even the collision formula and color theme can be altered easily.
- Integrated Redux design pattern to implement redo step feature.

<https://ashutosh-padhi.github.io/projects/2048>

<https://github.com/ashutosh-padhi/2048>

### Minesweeper Game

- ReactJS and TailwindCSS powered rebranded version of Minesweeper Game.
- Like my other projects it is well stylized keeping user experience in mind.

<https://ashutosh-padhi.github.io/apps/minesweeper-react>

<https://github.com/ashutosh-padhi/minesweeper-react>

### Skills

javascript, css, sass, nodejs, react, angular, mongodb, sql, nosql, dotnet, solr, search specialist, agile scrum, git, bash scripting, linux

#### DiNC Android App as Lead Developer 09/17 - 12/17

- Starting from POC took the project to first stable version
- Introduced caching layer and OAuth layer for usability and security needs.
- Constructed RSA powered custom security layer
- Created a fully functional media player components with record and playback support with Ionic Framework
- Prepared a chrome app version of the application
- Made a domain specific scanning component for ID Scan using android native camera

#### DiNC Specialist App as Lead Developer 03/17 - 08/17

- Undertook the POC project to replace the android version of the app. Perfected it to a stable state. Guided a newly formed team and later handed over the project post incubation.
- Integrated Socket IO to Support Real Time Chat
- Constructed a domain specific virtual keyboard

#### Digital Nerve Centre as Developer 07/16 - 03/17

- Began my career as software developer by writing Junit test cases for Spring Boot services.
- Saved team's time by innovating custom domain specific JSON to CSV and CSV to JSON converter to work with Junit Test cases
- Wrote Angular components for data driven screens and user input forms.

#### National Cancer Grid

as **Entry Level Analyst** 06/16 - 08/16

- Contributed in the analysis of patient medical records to find patterns and categories that can be used for better diagnosis and prognosis.

The information provided in this resume is true to my knowledge.

- Ashutosh Padhi