

# VATAN AGNIHOTRI

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## CAREER OBJECTIVE

To be an excellent professional and to be a part of an organization that provides constant learning of the latest technologies upgrades and provides career growth.

## SUMMARY

- An avid and diligent professional with more than 5 years of experience in Software development and presently associated with UST GLOBAL, Bangalore.
- Adept in Web Development and Mobile Development.
- Passionate about quickly learning new technologies and tools.

## QUALIFICATION

Year	Qualification	Institute	Scores
2014-17	B.Tech, Electronics & Communication Engineering	ACE, Mithapur, Kurukshetra University	64.61 %

## WORK EXPERIENCE

NTT Data, Bangalore

Mar 2024-Present

### Projects

- **Booking Management:** It is a hospitality domain hotel booking management system used all over the globe where different users can plan and book their hotel bookings.

### Roles and Responsibilities:

- Working as a Backend Team Lead Developer.
- Implementing new requirement in **AWS-based serverless microservices architecture applications** having Aurora & DynamoDB as persistent storage and built a robust and scalable system.
- Writing, testing, and maintaining the codebase according to the project requirements.
- Done PR reviews and PR comments based on the changes required.
- Providing technical support and troubleshooting issues.
- Writing, testing, and maintaining the codebase according to the project requirements.
- Monitored a team of junior developers and engineers to increase productivity.
- Participated in agile development of products within cross-functional frameworks.
- Providing the Client demos for the developed features and bug fixes on a sprint basis.
- Writing, testing, and maintaining the codebase according to the project requirements.

### Technologies and tools used:

- **Languages:** Javascript
- **Frameworks:** Node, Serverless,
- **Databases:** DynamoDB, Aurora, GDS, CDS, IDS
- **DevOps:** Jenkins
- **Cloud:** AWS Lambda, S3 Bucket, EC2, DynamoDB, SDK, IAM Roles & users, SNS, SQS, Cloudwatch, API Gateways
- **Monitoring Tool:** DataDog
- **Tools:** Git, Jira

## Projects

- **RADAR:** It is the payment & service management system for Telecom Domain, providing a track of different customer payments and their opted plans.

### Roles and Responsibilities:

- Worked as a front-end developer on the project.
- Worked as a Team Lead on the project.
- Development of new modules and components using **ReactJs**.
- Improved code quality and reduced code inconsistencies using Jest, ESLint, and Husky hooks.
- Writing, testing, and maintaining the codebase according to the project requirements.
- Done PR reviews and PR comments based on the changes required.
- Providing technical support and troubleshooting issues.
- Monitored a team of junior developers and engineers to increase productivity.
- Participated in agile development of products within cross-functional frameworks.
- Providing the Client demos for the developed features and bug fixes on a sprint basis.
- Writing, testing, and maintaining the codebase according to the project requirements.

### Technologies and tools used:

- **Languages:** TypeScript
  - **Frameworks:** React, Webpack,
  - **DevOps:** Docker, Kubernetes
  - **Testing Libraries:** Jest
  - **Tools:** Git, Jira
- **DevCenter:** It is the central hub for developers, providing a collaborative space to create and share documentation and tools, as well as workflows to accelerate the code projects throughout the Software Development Life Cycle.

### Roles and Responsibilities:

- Migrated monolith ExpressJS-based architecture to **AWS-based serverless microservices architecture** having DocumentDB as persistent storage and built a robust and scalable system.
- Worked as a FullStack on the project.
- Managed **IAM Roles & Users** as the the microservices requirement.
- Responsible for requirement analysis, planning, and development as a team lead.
- Worked on numerous serverless AWS services like Lambda, SNS, SQS, Cloudwatch, S3, API Gateway, Opensearch, DocumentDB, etc.
- Development of new modules and components using **Node.js**.
- Improved code quality and reduced code inconsistencies using Jest, ESLint, and Husky hooks.
- Implemented advanced Search functionality using **OpenSearch**.
- Implemented a custom logger library to help trace requests from start to end across all services and to help make debugging efficient.
- Writing, testing, and maintaining the codebase according to the project requirements.
- Setup the **AWS Secret Manager** and fetch the secrets in the Lambda functions based on the requirement.
- Implemented functionality to read and write the data on the **S3 bucket**.
- Conducting user research and gathering user feedback.
- Participating in code reviews and ensuring code quality.
- Providing technical support and troubleshooting issues.
- Monitored a team of junior developers and engineers to increase productivity.
- Initiated efforts to migrate legacy applications to AWS lambda serverless platform.
- Participated in agile development of products within cross-functional frameworks.
- Providing the Client demos for the developed features and bug fixes on a sprint basis.

#### **Technologies and tools used:**

- **Languages:** Javascript
- **Frameworks:** React, Node, Express, Serverless,
- **Databases:** MongoDB, DocumentDB
- **DevOps:** Docker, Kubernetes
- **Cloud:** AWS Lambda, S3 Bucket, EC2, DocumentDB, OpenSearch, SDK, IAM Roles & users
- **Testing Libraries:** Jest
- **Tools:** Git, Jira

**Entomo Technologies, Bangalore**

**Nov 2018-Aug 2021**

#### **Projects**

- **Skylark 7.0:** An Employee Performance Management Application used by many Insurance Giants, Banking Giants, Hospitals, Government sectors, and many more.

#### **Roles and Responsibilities:**

- Worked as a full stack engineer on the projects.
- Development and Maintenance of Web Applications as per client requirements.
- Adhering to coding standards and version control practices.
- Providing technical support and troubleshooting issues.
- Unit Testing of the application developed.
- Documenting the application flow as per the requirement.

#### **Technologies and tools used:**

1. **Languages:** Javascript
2. **Frameworks:** React, Node, Express
3. **Databases:** MongoDB, SQL
4. **Testing Libraries:** Jest
5. **Tools:** Git, Jira

- **MySejahtera:** An application used by the Malaysian Government to keep track of people who are taking vaccination appointments and getting the vaccine doses by using many features like announcements for their next dosage date etc.

#### **Roles and Responsibilities:**

- Worked as a full stack engineer on the projects.
- Created APIs using Node.js, Express and MongoDB. Worked on Node.js for backend development and Ionic Hybrid Mobile Application Framework for mobile development.
- Integrated APIs and functionalities for mobile applications using Angular 10.
- Developed and Maintained Mobile Applications as per client requirements.
- Creating, configuring and pushing the Mobile Applications on both Google Play Console and Apple developer accounts.
- Adhering to coding standards and version control practices.
- Providing technical support and troubleshooting issues.
- Configuring the applications with Firebase console for push notification feature in mobile.
- Documenting the application flow as per the requirement.

#### **Technologies and tools used:**

1. **Languages:** Javascript, TypeScript
2. **Frameworks:** Angular, Ionic, Node, Express
3. **Databases:** MongoDB, SQL
4. **Tools:** Git, Jira

## ACHIEVEMENTS

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- Got the “Gem of the Company” award from the company's Vice President.
- Got the “Employee of the Year” award from the CEO and the company's Co-Founder.
- Got Employee of the Month Award 2 times.