

# NAGARAJU AMBATI

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## Objective

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Results-driven and skilled Backend Developer with a good experience in designing, implementing, and maintaining scalable and efficient server-side solutions using Node.js. Proven ability to collaborate seamlessly with cross-functional teams, facilitating the delivery of robust and scalable software solutions that precisely align with and exceed business objectives.

## Education

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### Bachelor of Technology (B.Tech)

*Sri Indu College of Engineering and Technology, Hyderabad*

*July 2019 – May 2023*

Grade: 78%

**Coursework:** Computer Science and Engineering

### Intermediate

*Narayana Junior College, Hyderabad*

*2017 – 2019*

Grade: 95%

## Work Experience

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### Backend Developer

*June 2023 – Present*

### Blaze Automation Services Private Limited

*Hyderabad, Telangana*

- Developed robust APIs in express and Node.js, enabling seamless data retrieval from Mysql, MongoDB, Redis and Azure Table storage leading to a 25% reduction in frontend loading time and improved user experience.
- Developed push notification mechanism which uses queueing strategy and retry mechanism to send push notifications to large number of users.
- Developed storage mechanism using Azure Table Storage for storing the historical data resulting in reduced storage costing.
- Actively participated in Agile development methodologies, including sprint planning, daily stand-ups, and retrospectives, ensuring adaptability to changing project requirements.
- Conducted comprehensive unit testing using Mocha and Chai, ensuring the reliability and functionality of backend components and contributing to a robust and bug-free codebase.
- Collaborated with cross platform teams to seamlessly integrate APIs, enhancing overall user experience.

## Technical Skills

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**Languages/Database** Javascript, Node.js, Express framework, MYSQL, MongoDB, Redis, HTML, CSS

**Software & Tools:** Postman, Jira, Unit testing, Swagger, Git, Gitlab

**Cloud:** Azure Cloud, AWS S3, EC2

## Projects

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### Plaksha Project

- Onboarded Azure cloud services which are required for the project.
- Developed worker program which will receive the specified events and data continuously. Used Azure webjob cloud service to run this in background
- Implemented reliable push notifications mechanism and integrated queueing mechanism using RabbitMQ.
- Implemented storage mechanism for storing historic data in Azure table storage service resulting in reduced storage costing.

### Smart Home Energy Management

- Implemented server-side logic for tariff calculation based on slab rates for grid meter energy consumption.
- Developed server-side logic for generating reports using EJS and sending reports via emails.
- Implemented caching strategies resulted in increase of application performance
- Collaborated with cross platform teams to integrate the apis and ensured seamless experience to the end users.

## Positions of Responsibility

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**Employee Engagement Committee member:** Led the Employee Engagement Committee to enhance workplace morale and foster a positive company culture by organizing various initiatives, events, and programs that actively engaged employees and strengthened team collaboration.