

MUKESH NAGINENI

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CAREER OBJECTIVE

Full-stack developer with hands-on experience in building REST APIs, web applications, and front-end interfaces. Passionate about server-side technologies and eager to contribute and grow in a professional environment.

TECHNICAL SKILLS

Programming & Frameworks: C, Java (Spring Boot), JavaScript (Node.js, React.js, Express.js)

Databases & Storage: PostgreSQL, MongoDB, AWS S3

Cloud & DevOps: AWS (EC2, Route 53, ACM, Cognito), Docker, CI/CD, Nginx

Networking & Security: Load Balancing, DNS, Authentication (OAuth, JWT, SSO)

Development Tools & Version Control: Git, GitHub, Postman, REST APIs, Web Sockets

Core CS Concepts: Operating Systems, Computer Networks, System Design

PROJECTS

Event Management System (NRoleHub) – [GitHub](#)

- Developed a secure and scalable event management platform using Node.js, Express.js, PostgreSQL, and React.js.
- Implemented role-based access control (RBAC) for managing event registrations, certificate generation, and admin functionalities.
- Integrated Razorpay for seamless payment processing to facilitate event registrations and premium features.
- Optimized database queries with Sequelize ORM, improving performance and reducing response times.
- Deployed on AWS EC2 with Nginx and ACM for SSL security, ensuring high availability and secure access.
- Designed a certificate management module to generate and verify participation and winner certificates.

Authentication System with AWS Cognito – [GitHub](#)

- Built a robust authentication system using AWS Cognito, React.js, and Amplify, ensuring secure user access.
- Implemented multi-factor authentication (MFA) and OAuth-based login for enhanced security and user verification.
- Integrated JWT-based authentication for session management and fine-grained access control.
- Optimized user authentication workflows for seamless signup, login, and password recovery.
- Utilized AWS Amplify to streamline frontend-backend communication and improve performance.
- Enforced secure API access using Cognito user groups, IAM roles, and access policies.

Telebot – Telegram Bot Application – [GitHub](#)

- Developed a Telegram bot using Node.js, Telegraf.js, and MongoDB, enabling users to play a wheel-spinning game.
- Implemented a referral system allowing users to invite friends and earn points, increasing engagement.
- Integrated Telegram Bot API for automated responses, real-time notifications, and seamless user interactions.
- Designed a scalable backend architecture to handle concurrent users and maintain smooth bot operations.
- Optimized database queries in MongoDB, ensuring efficient data retrieval and storage.
- Implemented error handling and logging mechanisms to monitor bot activity and ensure reliability.

EDUCATION

Narayana Engineering College, Nellore

Bachelor of Technology in Computer Science

2021 – 2025

Narayana Junior College, Nellore

Higher Secondary Certificate

2019 – 2021

INTERNSHIPS

Web Development Intern

BrainOvision Solutions Pvt. Ltd, May – June 2023

Built foundational projects with HTML, CSS, and JavaScript while enhancing UI designs.

CERTIFICATIONS

Web Development Bootcamp (2024) – Udemy

LANGUAGES

English, Hindi, Telugu