Tanmoy Kumar Roy Full Stack Developer

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PROFILE

Full Stack Web Developer with 3.7 years of experience building scalable applications using JavaScript, Vue.js, React.js, Node.js, and AWS. Expertise in UI design, API optimization, and workflow automation. Awarded for delivering efficient solutions and driving project success.

SKILLS

Javascript, VueJS, NextJS, ReactJS, NodeJS, MYSQL, HTML, CSS, SCSS, Azure DevOPS, Jest JS, DB Fit, Agile and Scrum Methodologies, PostGRESQL, AWS S3, Lambda, Stepfunctions, SNS, SES, SQS,, REST API Development, GIT Version Control, Responsive Web Design, Backend, Frontend, Cloud

PROJECTS

Talent Modeling and Forecasting Web Application, Accenture   May 2021 – Feb 2025
- **Skills:** VueJS, NodeJS, JavaScript, HTML5, CSS/SCSS, ExpressJS, AWS (S3, Lambda, Step functions, SNS, SES, SQS, EC2, Code pipeline, Codebuild), SQL, JestJS, DBFit
- **Model Generation:** Engineered a feature enabling users to generate predictive models from specific data intersections, resulting in a 40% increase in user engagement with visualization tools.
- **Report Page Creation:** Built a dynamic report page that streamlined data retrieval from AWS S3, reducing user wait times by 30% and boosting accessibility for over 1,000 daily users.
- **User Restriction:** Implemented a role-based access control system that safeguarded sensitive data for 100+ users, ensuring compliance with security standards.
- **Skip-Level Feature:** Designed and delivered a feature allowing input at one level to produce forecasted models two levels higher, reducing manual effort by 25% and improving predictive accuracy by 15%.
- **API and Query Optimization:** Accelerated API response times by 50% and optimized database queries, reducing data retrieval time for large datasets to under 10 seconds.
- **Serverless Plugin:** Developed a custom AWS Lambda serverless plugin, cutting deployment package size by 50% and deployment time by 40%, enhancing team productivity.
- **Bug Fixes & Enhancements:** Diagnosed and resolved over 150 critical application bugs, while implementing enhancements that improved overall system stability by 40%.
- **AWS Stepfunctions:** Automated deployment tasks using AWS Stepfunctions, reducing manual efforts by 80% and achieving a 25% faster deployment cycle.

Leadership Data Automation API, Accenture   Jun 2022 – Jun 2024
- **Skills:** NodeJS, AWS, XML, Postman
- **API Development:** Led the development of an API for handling customized payloads, authenticating requests, and securely delivering confidential leadership data, supporting over 500 successful transactions per day.
- **API Optimization:** Optimized API performance, reducing response time for large datasets from 30 seconds to under 10 seconds, improving user experience and operational efficiency.
- **Data Integration:** Integrated critical data into a talent modeling application, enabling predictive analysis that enhanced decision-making for 900+ users.
- **Data Filtering & Automation:** Designed and implemented advanced logic for data filtering and validation, automating the entire process with AWS Step Functions and Lambda, eliminating manual intervention, and reducing processing time by 70%.
- **Notification System:** Automated email notifications via SNS upon successful integration, improving tracking and communication of deployment status to 120+ stakeholders.

Diabetes Classification Application, Major Project, B.Tech   Dec 2020 – Mar 2021
- **Skills:** HTML, CSS, JavaScript, Python (for modeling), SQL, NodeJS
- Collaborated with a 3-member team to develop a web application predicting diabetes and its types, integrating results into a dashboard.
- Utilized HTML, CSS, and JavaScript for the frontend, Python for the prediction model, SQL for database management, and Node.js for backend development.

PROFESSIONAL EXPERIENCE

Full Stack Developer, Accenture   May 2021 – present | Bangalore, India
- **Full Stack JavaScript Specialist:** Specialized in VueJS, NodeJS, ExpressJS, MySQL, HTML, CSS, DBFit, JestJS, AWS, and Azure DevOps, contributing to the successful delivery of 2+ projects on time and improving system stability.

Summer Intern (Full stack), Highradius   Apr 2020 – Jun 2020 | Bhubaneswar, India
- Worked on building AI chatbot integrated web application based on HTML, CSS, Java, ReactJS, MYSQL

EDUCATION

Kalinga Institute of Industrial Technology, Bachelors of Technology   2017 – 2021 | Bhubaneswar, India
Computer Science and Systems Engineering
C.G.P.A: 8.55

CERTIFICATES

- AZ-305 - Azure Solutions Architect
- AZ-104: Microsoft Azure Administrator Associate
- AZ-900: Microsoft Azure Fundamentals
- PL-900: Microsoft Power Platform Fundamentals