**Panindra Kumar Gadila**

**Full Stack Web Developer**

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**PROFESSIONAL SUMMARY**

I am a Full-Stack Web Developer with 6 years of experience specializing in building robust and scalable web applications using Node.js (Express) and React.js. I design and develop RESTful and GraphQL APIs, implement secure backend logic with JWT and OAuth2, and build modular, responsive frontends using React 18, Redux/context API, and TypeScript. My experience spans working with frameworks like Next.js and Nest.js for server-side rendering and microservice development.

I have deep expertise in integrating SQL and NoSQL databases, including MySQL, PostgreSQL, and MongoDB, with hands-on experience building OLAP pipelines, ETL workflows, and working with time-series and analytics databases. I deploy cloud-native applications on AWS, Azure, and GCP using Docker, Kubernetes, and Infrastructure-as-Code (IaC) tools like Terraform and Helm.

Proficient with CI/CD automation using CircleCI, Jenkins, and GitHub Actions, I also monitor application health and performance using observability tools such as Datadog, AWS CloudWatch, Prometheus, and New Relic. I’ve also contributed to big data pipelines, leveraging technologies like Snowflake and AWS Redshift for data warehousing and analytics. My focus remains on system performance, maintainability, and secure, scalable architecture.

**TECHNICAL SKILLS**

**Languages**: JavaScript, TypeScript, Java, C#, PHP, Python, C

**Frontend**: React.js, Next.js, Angular.js, Redux, Bootstrap, Material-UI, Tailwind CSS, Framer Motion

**Backend** **&** **APIs**: Node.js, Express.js, Nest.js, Restful & GraphQL APIs, Spring Boot, ASP.NET, WebSockets

**Databases**: MySQL, PostgreSQL, MongoDB, DynamoDB, SQL Server, Snowflake, AWS Redshift

**Cloud** **&** **DevOps**: AWS, GCP, Azure, Docker, Kubernetes, Terraform, Helm, Serverless Framework

**CI/CD** **&** **Monitoring**: Jenkins, GitHub Actions, CircleCI, Datadog, CloudWatch, New Relic, Prometheus, Grafana

**Messaging/Event** **Streams**: Kafka, Redis, WebSockets, Spark Streaming

**Testing**: Cypress, Jest, Supertest, React Testing Library, Postman, JUnit, Selenium, JMeter

**Tools**: VS Code, Maven, Webpack, Git, NetBeans, AODC, OpsRamp

**Enterprise** **Platforms**: MS Dynamics 365 FO, Guidewire, Workday.

**WORK EXPERIENCE**

**Vtrix Technologies Inc.** | Software Engineer (Contract) *Austin(remote), TX, USA* | **Aug 2023-Present**

* Led the modernization of a legacy baggage claim center app by migrating from a monolithic Java architecture to serverless Node.js microservices using AWS Lambda and API Gateway, significantly improving reliability.
* Developed scalable microservices with Node.js, Express.js, and Nest.js, following Domain-Driven Design, and implemented observability with Prometheus and Grafana.
* Built and optimized RESTful and GraphQL APIs using Express.js and Apollo Server, supporting React and Angular frontends with over 10,000+ daily requests.
* Designed interactive SPAs and PWAs with React.js, Next.js, TypeScript, Redux Toolkit, Context API, and React Router, integrating reusable UI components using Storybook, Material-UI, and Tailwind CSS.
* Implemented real-time data streaming and asynchronous communication using Kafka, Socket.io, WebSockets, and Meteor.js, with high-throughput processing via Spark-Kafka Producer/Consumer.
* Containerized Node.js and React apps using Docker, orchestrated deployments with Kubernetes, and deployed solutions to AWS EC2, Lambda, Azure App Services, and GCP (Pub/Sub, Cloud Storage).
* Established CI/CD pipelines with Jenkins, GitHub Actions, and enforced code quality with ESLint, Prettier, and Husky pre-commit hooks.
* Integrated time-series and analytical database operations using PostgreSQL and OLAP strategies, and implemented ETL pipelines for processing large datasets.
* Designed and deployed big data analytics workflows to Snowflake and AWS Redshift for scalable reporting and data warehousing.
* Used Terraform scripts for provisioning infrastructure across AWS services, supporting scalable deployments and environment parity.
* Monitored application and infrastructure performance using observability platforms including Datadog, AWS CloudWatch, and New Relic, with alert-based troubleshooting and SLA reporting.
* Configured continuous integration pipelines using CircleCI and GitHub Actions alongside Jenkins for environment provisioning, testing, and container deployments.
* Creating 40+ user-facing elements created by front end developers with server side logic.
* Implemented secure authentication and authorization flows using JWT, OAuth2, Passport.js on both frontend and backend, ensuring compliance with security best practices.
* Conducted unit, integration, and end-to-end testing with Jest, Supertest, React Testing Library, and Cypress, while monitoring performance using React Profiler.
* worked Agile (Scrum) development, including sprint planning and daily standups, mentored developers in Node.js and Express.js, and documented scalable RESTful APIs and architecture guidelines.

**Capgemini** | Associate Software Engineer (***Client: Munich-Re***) *Mumbai, India* | **May 2019-May 2022**

* Experience working with Re-insurance and ERP systems domain projects.
* Built interactive forms in React using controlled components, custom hooks for state management, context/services for data handling, event listeners for user interactions, and dynamic rendering with expressions and filtering logic.
* Created interfaces to manage user menu and Bulk update of Attributes using React.js and jQuery.
* Collaborated on developing an internal policy claim process web application for equipment inspectors on field.
* Extensively used Node.js, React.js, JavaScript, jQuery UI band jQuery to provide UI functionality and MongoDB with significantly improving load times and user satisfaction.
* Building Employed multiple RESTful API's utilizing Postman and Express to establish system integration between WORKDAY for internal policy center systems.
* Used CSS, Bootstrap for buttons, forms and links and Animate CSS and for fonts used Font Awesome and Google Font API
* Designing front end using class and functional components of ReactJS library, with applied skills on calling React Axios to get web API transferred from backend and updating the states in the store of Redux
* Familiar with React hooks using all their states and lifecycle methods inside functional components.
* Developed web application using MVC model of AngularJS and designing using AdobeXD
* Implemented Git for version control of the project and AWS Services for web page hoisting
* Prepared confluence documentation, Bamboo Pipelines for CI/CD and Azure DevOps for tracking the development process.
* Used AJAX to request JSON data through third party REST APIs to acquire products data from server and display it in sorted order.
* Worked on operations side for quite a period, we used OpsRamp as an RMM(Remote Monitoring and Managing) tool, logged into client devices using RDP, SSH using SOP for each client and meeting the SLA
* Developed Node JS REST based APIS using Express JS and Fastify Frameworks following Micro services Architecture
* Integrating Kafka and Redis for efficient event handling and data processing.
* Expert in using Azure DevOps (Development Management Tool) & SDLC/STLC Methodologies Agile/Scrum.
* Performed unit tests on apps to find and fix bugs, which improved performance by 30%.
* Performed API tests using Postman for integration between MS dynamics 365 with Workday systems
* Solely worked on testing of Web applications integrated with various technologies includes c#, Java, Ranorex, JavaScript, PHP, Microsoft Dynamics AX & BDD framework.
* Domain Knowledge and Automation testing knowledge on applications such as Guidewire policy center and Microsoft dynamics 365

**EDUCATION**

**M.S. in Computer Science** | University of Central Missouri *Warrensburg, Mo, USA*

GPA 3.66 Aug 2022 - May 2024

**Bachelors in Technology**| Malla Reddy Engineering College *Hyderabad, India*

CGPA 6.7 May 2014 - June 2018

**PROJECTS**

**Alzheimer’s prediction using machine learning** | *Python, Google Collab, ML libraries.*

* Developed an algorithm for real-time classification and prediction of Alzheimer’s disease in patients at the early stages of clinical assessments using various ensemble Machine learning models.
* Source: *https://github.com/PanindraGadila/CS5710\_Project\_MachineLearning.git*

**Kanban Board** | *JavaScript, Java & MySQL*

* Virtual Kanban board to manage, visualize & track the team’s work and assignments across the projects. Implemented this project as part of master’s course work using ReactJS (Frontend), Spring Boot (backend & API’s) and MySQL for databases
* Source: *https://github.com/PanindraGadila/ASE\_Project\_fall23.git*

**Prototype of Obstacle avoider robot vehicle (Mechatronics Project)** | *C, Embedded C, Keil software.*

* This robotic vehicle is designed to first track and avoid any Kind of obstacle that comes its way with the help of ultrasonic sound sensors coupled with motors and 8051 microcontrollers.

**CERTIFICATES**

* Agile Software Development | **Capgemini/Internal.**
* OpenJS Node.js Application Developer | **(JSNAD)-Linux Foundation.**
* Advanced React | **Scrimba.**
* MS Dynamics 365 FO | **Practitioner level**
* EXECUTIVE AUTOMATE | **Microsoft Dynamics 365.**