

DEVANAND N

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Education

University of North Carolina at Charlotte (UNCC)

Master of Science in Information Technology

Expected May 2026

North Carolina, USA

Siddaganga Institute of Technology

Bachelor of Engineering in Electronics and Instrumentation

Aug. 2018 – Aug. 2022

Tumkur, Karnataka, India

Professional Experience

Takeleap Tech Pvt Ltd

Node.js Developer

February 2024 – July 2024

Bengaluru, Karnataka, India

- Developed and optimized APIs using Node.js for Sound Line Group's Visa Management project, reducing response times by 25%. Integrated biometric MFA using AWS services, enhancing security and compliance.
- Created front-end React screens for mobilization, invoice management, and visa cost tracking, improving user experience by 15%.
- Followed Agile methodology and used test-driven development (TDD) practices to ensure code reliability and faster deployment.
- Deployed applications to AWS using Docker and Kubernetes, improving application scalability and fault tolerance.

RPG Groups, KEC International

Associate Officer - Digital

June 2023 – February 2024

Jaipur, Rajasthan, India

- Developed workforce management systems using ASP.NET and SQL Server, reducing database query times by 20%. Implemented multi-factor authentication via biometric systems for secure access.
- Enhanced UI/UX of internal systems using React, Redux, and Webpack, increasing user satisfaction and reducing onboarding times. Gained exposure to Angular by contributing to some frontend development tasks.
- Collaborated with cross-functional teams in Agile environments to deliver high-quality software within project deadlines.

RPG Groups, Zensar Technologies

Junior Software Engineer

November 2022 – June 2023

Bengaluru, Karnataka, India

- Built modular single-page applications (SPA) using React, Redux, and ES6+, which reduced time spent on maintenance by 25%.
- Adopted Test-Driven Development (TDD) and Agile methodologies, resulting in improved code quality and project completion times.
- Utilized microservices architecture with Node.js to enable independent scaling of services, improving performance by 30%.

Projects

FlashType | *React, Redux, Jest*

February 2023

- Built a typing speed test web app with React and Redux, implementing state management to dynamically update the user interface. Tested all components using Jest to ensure reliability.

Ticket Harbor | *React, Express, Node.js, Next.js*

January 2024

- Developed a full-stack ticketing platform utilizing server-side rendering with Next.js, significantly improving performance and SEO. Implemented RESTful APIs using Express and Node.js to handle ticket booking and management.

Cloud Infrastructure Setup | *Amazon VPC, EC2, S3, AWS*

August 2024

- Designed and configured cloud infrastructure by creating an Amazon VPC with public and private subnets, IP addressing, and attaching an internet gateway for public access. Hosted a static website on Amazon S3, implementing ACLs, versioning, and configuring public access settings to ensure site availability.

Qurify: QR-based Attendance System | *Next.js, Node.js, Express.js, MongoDB*

November 2024

- Developed a geolocation-based attendance system for classrooms with dynamic QR codes and 6-digit manual codes, refreshed every 3 minutes to prevent spoofing.
- Implemented Google Maps API to convert session location coordinates into human-readable addresses and restricted attendance to within 0.3 miles of the session's location.
- Built teacher and student dashboards, enabling session creation, attendance marking, and QR code scanning using HTML5 QR Code.

Technical Skills

Languages: C++, JavaScript (ES6+), HTML5/CSS3, Python, SQL, TypeScript

Tools: Git, VS Code, Postman, MongoDB Atlas, MySQL Workbench, Docker, Kubernetes, Photoshop

Technologies: React, Redux, Node.js, Express, ASP.NET, SQL Server, AWS, Webpack, Next.js, Flexbox, Grid, Media Queries

Development Practices: Test-Driven Development (TDD), Agile, Responsive Design, Code Optimization

Leadership / Extracurricular

- 2nd runner-up in Zensar's Cladethon, leading a team to develop a responsive website using Next.js.
- Interviewed and mentored interns at Takeleap, providing guidance on UI development best practices.
- Certified in Node.js and React by Techademy and HackerRank.