



RITWIK PRADHAN

SENIOR FULL-STACK ENGINEER | EXPERT IN ANGULAR, NODE JS,
POSTGRES SQL, AWS | 10+ YEARS IN SCALABLE PRODUCT DEVELOPMENT |
LEADING AGILE TEAMS IN ENTERPRISE APP DEVELOPMENT

CONTACT

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CORE COMPETENCIES

- Full-Stack Development
(Angular, Node.js, Express.js)
- RESTful API & Microservices
Architecture
- AWS Cloud (S3, EC2)
- Database Design
(PostgreSQL, MySQL)
- Agile/Scrum Practices
- Team Leadership & Project
Management
- System Architecture & Code
Optimization
- UI/UX Design Principles &
Data Visualization
- DevOps Tools: Git, NPM



PROFESSIONAL SUMMARY

Seasoned Full-Stack JavaScript Developer and Hands-on Team Lead with 10+ years of experience architecting and delivering robust, scalable, and secure enterprise applications using Angular, Node.js, PostgreSQL, and AWS Cloud Services. Adept at leading high-performing development teams, managing end-to-end project lifecycles, and implementing Agile methodologies to ensure timely, quality deliverables. Proficient in building microservices-based architectures, optimizing RESTful APIs, and Knowledge of CI/CD pipelines. Recognized for mentoring engineers, streamlining development processes, and aligning technical execution with business objectives.



PROFESSIONAL EXPERIENCE

Team Lead - Full Stack Development

Dec 2021 – Present

KapillIT Solutions Pvt Ltd | Hyderabad

- Led a full-stack team of 6 in designing, developing, and deploying enterprise web applications using Angular 12+, Node.js, PostgreSQL, AWS Lambda, and API Gateway.
- Delivered 3 high-impact modules that improved client onboarding efficiency by 30%, reducing manual processes through API-driven automation.
- Improved API response time by 40% via advanced caching mechanisms, PostgreSQL query tuning, and middleware optimization.
- Architected and enforced OAuth2 and JWT-based secure authentication, ensuring role-based access control (RBAC) across modules.
- Conducted weekly code reviews, peer programming, and knowledge-sharing sessions to improve code quality and upskill junior developers.
- Collaborated with QA, DevOps, and UI/UX teams to ensure end-to-end delivery.
- Contributed to agile ceremonies, including sprint planning, retrospectives, and grooming sessions, improving sprint velocity by 15%.

Team Lead

Mar 2021 – Dec 2021

KCS Software Solutions | Hyderabad

- Led development of Angular + Node.js applications for clients in fintech and logistics, delivering scalable and responsive frontends and backend APIs.
- Designed and implemented RESTful microservices handling real-time transactions, increasing system throughput by 25%.

PROJECTS & SOLUTIONS DELIVERED

Finsta – Loan Management System

Node.js | Angular | PostgreSQL | AWS
Lambda | S3 | API Gateway | RBAC | Audit
Logs

- Designed and developed a secure, cloud-native loan management system processing over 50,000+ financial transactions per day.
- Implemented role-based access control (RBAC), JWT authentication, and audit trails to meet banking compliance and security standards.
- Integrated Amazon S3 for secure document storage and retrieval, and AWS Lambda for event-driven automation of loan disbursements.
- Reduced loan application processing time by 45% through efficient workflow automation and database indexing.

KapilGuru – E-Learning Platform

Angular 12+ | AWS (Lambda, CloudFront, S3) | WebSockets | PostgreSQL | Node.js | Stripe API

- Developed and deployed a scalable e-learning platform with 10,000+ monthly active users and 1,000+ concurrent live sessions.
- Built a real-time chat and video streaming module using WebSockets and integrated live class scheduling with calendar sync features.
- Enabled subscription-based payments using Stripe API and implemented user analytics dashboards for instructors.
- Achieved 99.9% system uptime and improved average session load time by 35% through frontend optimization and lazy loading strategies.

Jharkhand Police – Fleet Management Portal

AngularJS | Python | Odoo ERP | PostgreSQL | REST APIs | GIS Mapping

- Designed and deployed a state-wide fleet and asset management system used by 100+ police officers across 12 districts.
- Enabled real-time vehicle tracking and analytics with custom dashboards for fuel usage, driver logs, and maintenance alerts.
- Integrated the system with GIS-based visualizations for patrol route optimization and dispatch planning.
- Reduced manual reporting time by 70% by digitizing legacy processes generation.

LANGUAGE KNOWN

English (Fluent)

- Acted as Scrum Master, managing sprint planning, backlog prioritization, and client demo sessions.
- Ensured system availability and reliability by implementing logging, monitoring (CloudWatch), and exception handling across services.
- Migrated monolithic modules into microservices architecture using Express.js.

Senior Software Engineer

Jul 2019 – Feb 2021

Excelra Knowledge Solutions | Hyderabad

- Built dynamic data visualizations and dashboards with Angular 8+, D3.js, and backend REST APIs.
- Developed reusable UI components and responsive layouts for large-scale life sciences data applications.
- Led resolution of 15+ production incidents by analyzing server logs, network calls, and application traces, reducing support ticket volume by 40%.
- Refactored and modularized legacy frontend code, improving maintainability and frontend performance by 20%.
- Partnered with product managers and QA to define user stories and acceptance criteria under Agile/Scrum model.

Software Developer

Apr 2019 – Jun 2019

Jaguar Software India | Hyderabad

- Created interactive dashboards for real-time analytics using D3.js, integrated with PostgreSQL backend.
- Developed reusable charting modules for different analytics views, improving delivery speed of custom dashboard features.
- Coordinated with backend and DevOps teams for API integration and data pipeline validation.

Developer – ERP Applications

May 2018 – Apr 2019

Successmetric Pvt Ltd | Hyderabad

- Developed custom modules in Odoo (Python) and integrated them with Angular-based UI dashboards for inventory, HRMS, and invoicing systems.
- Optimized legacy codebases, reducing code duplication and improving test coverage by 35%.
- Automated backend workflows using Flask, enhancing reporting accuracy and speed for management dashboards.
- Ensured cross-browser compatibility and performance optimization of key Angular modules.

Application Developer

May 2016 – May 2018

NIIT Technologies | Ranchi

- Built Customized Dashboards based on Data from Odoo ERP, integrated with Node.js backend services and AngularJS UI.
- Led user acceptance testing (UAT) cycles across 3 business units, collecting feedback and executing refinements.
- Created custom REST APIs and database views in PostgreSQL, streamlining internal reporting and approval workflows.
- Maintained documentation and training materials for ERP users across departments.

Associate – Developer

Dec 2013 – Jan 2016

HCL Technologies Ltd (Deputed via HCL Infosystems) | Ranchi

- Developed and deployed a Fleet Management System using Odoo (Python) across 12+ police districts.
- Built GPS-enabled dashboards for real-time vehicle tracking and usage analytics. Trained 100+ officers on system usage and digital reporting.
- Digitized manual logs, enabling automated reporting and analytics.

EDUCATION

B.Tech in Computer Science

Amity University

MBA Finance & Information Technology

Manonmaniam Sundaranar University

