

# Yogesh Tandan

India

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## Professional Summary

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Software Engineer with experience building production-grade frontend systems, integrating backend APIs, and working closely with cloud infrastructure and CI/CD pipelines. Strong focus on scalable UI architecture, multi-tenant SaaS workflows, and infrastructure-aware frontend development. Proven ability to deep-dive unfamiliar codebases, reverse-engineer APIs, and deliver end-to-end features with minimal supervision across frontend, backend integration, and deployment workflows.

## Core Skills

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### Frontend

- React, Next.js, TypeScript, JavaScript (ES6+)
- Tailwind CSS, component-driven architecture
- Two.js, Recharts, React Flow (visualization-heavy UIs)
- Accessibility, responsive design, design-system consistency

### Backend & APIs

- REST API integration and schema analysis
- Multi-tenant SaaS workflows
- Authentication and MFA flows
- API Gateway integration patterns

### DevOps & Cloud

- GitHub Actions (CI/CD pipelines)
- AWS: EC2, ECS, Fargate, API Gateway, WAF, Cognito, DynamoDB
- Terraform for infrastructure provisioning
- OIDC-based GitHub-to-AWS authentication
- Environment-based deployments

### Engineering Practices

- Codebase deep-dives and refactoring
- Figma-to-production implementation
- Debugging production issues
- Reading and extending CI/CD and infrastructure code
- Documentation-driven development

## Professional Experience

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### Software Engineer

*eigenstudio*

November 2025 – Present

- Built and maintained Next.js - based frontend modules for multi-tenant SaaS workflows, including incident management and user-facing dashboards.
- Implemented MFA authentication flows aligned precisely with Figma designs, ensuring UX consistency and security requirements.
- Reverse-engineered backend User Service APIs by analyzing source code, schemas, and Postman collections to enable frontend integration.
- Designed reusable UI components, improving consistency, accessibility, and development velocity.
- Integrated complex data visualizations using Two.js and Recharts for domain-specific analytics and diagrams.
- Debugged and resolved runtime frontend issues caused by state mismanagement and improper component contracts.
- Studied and extended GitHub Actions CI/CD pipelines, including test automation, Docker image builds, and Terraform-based AWS deployments.
- Worked with OIDC-based authentication between GitHub and AWS, eliminating static credentials.
- Collaborated closely with backend and DevOps teams to align frontend requirements with infrastructure constraints.

## Junior Software Developer

*Avkalan Labs, Raipur*

April 2025 – November 2025

- Developed and maintained frontend applications using Next.js, React, React Native, and Electron.js for computational engineering products.
- Improved performance, usability, and responsiveness of complex engineering-focused applications.
- Collaborated with cross-functional teams to deliver scalable and user-focused features.

## Frontend Developer Intern

*Avkalan Labs, Roorkee*

November 2023 – April 2025

- Optimized Electron.js-based 3D rendering software, achieving approximately 60% performance improvement.
- Designed and implemented user-friendly interfaces for technically complex software.
- Worked with senior engineers to debug complex issues and deliver production milestones.

## Key Projects

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### Multi-Tenant SaaS Frontend Platform

- Designed scalable frontend architecture supporting tenant isolation.
- Integrated Cognito-based authentication and MFA flows.
- Implemented incident lifecycle screens including listing, creation, and filtering.

### CI/CD and Infrastructure Automation

- Implemented GitHub Actions workflows for automated testing and deployment.
- Used Terraform to provision AWS infrastructure, including VPCs, ECS services, API Gateway, WAF, and DynamoDB.
- Applied OIDC-based authentication between GitHub and AWS.

### Interactive Flow and Visualization System

- Built node-based UIs using React Flow.
- Customized node rendering, animations, grouping, and layouts.
- Implemented Attio-inspired UI interactions and motion behavior.

## Education

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### Bachelor of Technology in Electronics and Telecommunication Engineering

Government Engineering College, Raipur

2021 – 2025

## Leadership

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### Chief Technical Executive

*Code For Community, Government Engineering College Raipur*

April 2022 – June 2025

- Led design and development of the community website with a focus on usability and branding.
- Coordinated with developers and designers to execute technical initiatives and events.
- Organized workshops, coding challenges, and technical sessions.