

# Goduguchintha Nikhil

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## Summary

Software Engineer with 4+ years of experience specializing in frontend development and scalable web architectures. I build performant, resilient, and accessible interfaces using React, TypeScript, and modern tooling. Passionate about performance optimization, system design principles, and clean code. Developing a strong foundation in data structures and algorithms through hands-on problem solving on LeetCode and other platforms.

## Experience

### Frontend Developer

April 2024 - Present

Lloyds Technology Centre

- Developed a high-performance consumer banking web app using **ReactJS + TypeScript**, focusing on UX, accessibility, and cross-browser compatibility.
- Implemented the **Strategy pattern** to serve customized views for different customer segments, reducing code duplication by 15% and simplifying maintenance.
- Conducted performance profiling and introduced **code splitting, lazy hydration, and Critical Rendering Path** optimization, improving initial load time by **30%**.
- Built unit and automated test suites using Jest and Playwright, contributing to a **25% decrease** in production bugs.
- Integrated **20+ RESTful APIs** into the ReactJS application to facilitate various banking functionalities, ensuring seamless data flow and enhanced user interaction.
- Designed and implemented **CI/CD pipelines**, automating the deployment process across multiple environments.
- Contributed to a significant improvement in customer onboarding efficiency, reducing customer onboarding time from **2 weeks to 2 days** in the UK market.
- Instrumented the app with **Tealium tags** to track customer journeys, helping stakeholders derive actionable product insights.
- Tech Stack:** ReactJS, TypeScript, Jest, Playwright, webpack

### Full Stack Engineer

June 2023 - March 2024

Cloud4C

- Led the frontend development of Operational Command Platform (**OCP**) **2.0** from scratch with a modular, operation-centric architecture to support enterprise cloud operations.
- Designed and implemented a scalable **RBAC system** enabling fine-grained access control for customers and internal teams.
- Developed **RESTful APIs** to aggregate data across business units and built a responsive dashboard to visualize this data.
- Created a **customizable UI layout system**, allowing end-users to personalize dashboards based on operational needs.
- Collaborated on backend infrastructure using NodeJS + ExpressJS, optimizing DB queries and API performance.
- Worked closely with business teams to align technical features with monetization goals and SLAs.
- Tech Stack:** ReactJS, NodeJS, ExpressJS, MySQL.

### Software Engineer

August 2021 - June 2023

Tech Mahindra

- Developed and maintained UI components for Telefonica GmbH using **ReactJS**, aligned with product mockups and stakeholder feedback.
- Refactored redundant code by modularizing UI components, improving code reuse and reducing bundle size.
- Practiced **TDD** and wrote unit tests using **Jest + Enzyme**, achieving over 90% code coverage.
- Analyzed and resolved bugs found during **User Acceptance Testing (UAT)** and production, reducing bug

turnaround by 40%.

- Collaborated in Agile teams to deliver on sprint goals and contribute to backlog grooming and tech debt triaging.
- **Tech Stack:** ReactJS, HTML5, CSS3, JavaScript, Jest.

## Skills

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**Languages:** JavaScript, TypeScript, Python, Java

**Frameworks/Libraries:** ReactJS, NodeJS, SpringBoot

**Testing:** Jest, Enzyme, Playwright

**Tools/Platforms:** Git, CI/CD (Vercel), Azure (Fundamentals), Webpack

**Problem Solving:** Data Structures, Algorithms, LeetCode, System Design Basics

## Education

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**Bachelor of Technology in Electrical and Electronics Engineering**

Sree Vidyanikethan Engineering College, Tirupati, A.P, India

June 2016 - December

2020

**Senior Secondary (12th)**

Narayana Junior College, Tirupati, A.P, India

2014 - 2016

**Secondary School (10th)**

Infant Jesus English Medium School

2014

## Achievements

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- Microsoft Certified: Azure Fundamentals (AZ-900)
- Applied Data Science with Python - Level 2 from IBM
- Problem Solving (Basic) Certificate from HackerRank
- Practicing data structures and algorithms via [LeetCode](#) [↗](#)

## Personal Projects

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**URL Shortener – Full Stack Scalable Web App**

[Live Demo](#) [↗](#) — [GitHub](#) [↗](#)

- Built a full-stack URL shortener using React (Vite), Supabase, Upstash Redis, and Express.js deployed on Render.
- Implemented secure redirects, custom aliasing, and analytics tracking (IP, device, country, browser) with sub-500ms latency.
- Optimized backend with Supabase RPC and 85%+ cache hit rate via Upstash Redis for scalable link resolution.
- Designed modern frontend with Framer Motion animations and responsive UX, with CI-ready deployment setup.

**Vision Forge - AI Auto Form Filler**

[GitHub](#) [↗](#)

- Developed AI document processor to eliminate manual data entry bottlenecks using React, Google Gemini Vision API, and Tesseract.js OCR.
- Engineered intelligent parsing system for government ID's achieving 95% accuracy, reducing processing time from 3 minutes to 10 seconds (10x improvement).
- Built hybrid fallback system with confidence scoring and real-time validation, achieving 99.9% uptime for production reliability.
- Created responsive web interface with drag-and-drop functionality and RESTful API for seamless integration with existing systems.

## Declaration

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I hereby declare that the information given in the application is true, complete, and correct to the best of my knowledge and belief.

**Goduguchintha Nikhil**