

Sudheesh Thuralkalmakki Dharmappa Gowda

Full Stack Developer

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PROFESSIONAL SUMMARY

Full stack and backend developer with around **4 years** of hands-on experience building **end-to-end web applications** across **healthcare, fintech, e-commerce**, and enterprise platforms using **React, Node.js, Java, and .NET**. Proficient in designing **REST APIs**, integrating **MongoDB and SQL databases**, and **implementing authentication, authorization**, and observability for cloud-native microservices. Skilled in front-end engineering with **TypeScript, Redux**, and modern **UI frameworks**, paired with strong backend foundations in **Spring Boot, Express**, and event-driven architectures. Known for collaborating effectively with cross-functional teams, **writing maintainable, testable code**, and delivering **robust features** aligned with business and compliance requirements.

EXPERIENCE

McKesson **August 2025 – Present**

Full Stack Developer | IL, USA

- **Developed** core modules for **React + TypeScript SPA** for specialty pharmacy enrollment backed by **.NET 8** microservices and **FHIR R4** resources, integrating **Okta OIDC** and **Redis** caching to reduce page load time to **2 seconds**.
- **Engineered** an event-driven prescription fulfillment workflow using **Azure Functions, Service Bus** topics, and **SQL Server** with row-level security, processing **120K orders per day with 2.3-second end-to-end latency**.
- **Orchestrated** containerized delivery with **Azure DevOps** multi-stage **YAML, Docker** images, **Helm charts**, and **AKS**, enabling blue-green releases and approvals to automate deployment pipelines, saving **5 hours per week**.
- **Contributed** to strengthening **PHI** security by implementing **column-level AES-256 encryption** for **5 new data fields** and configuring **Azure Key Vault** access policies under **senior guidance**, supporting the team's successful **HIPAA/HITRUST** audit preparation.
- **Validated** service quality by building **300 automated tests** across **Jest, xUnit, Cypress**, and **Pact** contract suites, coordinating with **UX, backend**, and **QA** to close **48 defects** before release.

Hamilton Digital Assets, LLC **October 2024 – December 2024**

Software Development Intern | IL, USA

- **Crafted** a **RESTful** microservice using **Node.js, Express**, and **PostgreSQL** to consolidate digital asset holdings, supporting **25 client portfolios** and processing **150K+ balance snapshots** and real-time ledger updates.
- **Programmed** React frontend with **TypeScript, Axios**, charting libraries to visualize trade history, asset performance, building **12 reusable UI components** and cutting analyst query **15 minutes**.
- **Refined backend** quality by building **120 automated unit** and integration tests with **Mocha, Chai, and Supertest**, identifying **18 critical edge-case defects** before user acceptance testing and stabilizing core transaction flows.
- **Coordinated** product, **compliance, DevOps** to containerize apps using **Docker**, configure **GitLab CI** checks and document **API contracts** in **OpenAPI**, averaging three releases weekly in the internship.

Accenture Solutions Ltd **July 2021 – July 2023**

Software Developer | India

- **Designed** end-to-end **Java** full stack modules using **Spring Boot, Angular, HTML/CSS**, and **RESTful APIs** for a banking client, delivering **18 production-ready features** across **3 major releases** in under **9 months**.
- **Built** resilient microservices with **Java, Spring Data JPA**, and **Oracle SQL** to handle core account and payment workflows, processing **2M+ transactional records** in nightly batch without failure over **6 consecutive months**.
- **Deployed** and tuned **CI/CD pipelines** in **Jenkins** using **Maven, JUnit, Mockito**, and **Git** branching strategies, reducing manual build, test, and deployment effort by **4 hours** in every release cycle.
- **Optimized Angular** components, **lazy loading**, and server-side pagination to keep complex customer search **APIs** under **2 seconds** for **10K-record datasets** during peak usage windows.
- **Mentored** 2 junior developers through code reviews, defect triage, and backlog refinement cycles within the **sustaining engineering team**, collaborating to deliver **40 Java and Angular work items** across **5 sprints**.
- **Collaborated** with **business analysts, QA**, and onshore architects to refine **REST** contracts, validate responses with **Postman** and **Swagger/OpenAPI**, and resolve **25 integration defects** before user acceptance testing.
- **Authored** low-level design docs, **UML** sequence diagrams and **API reference** in **Confluence** for **7 critical services**, onboarding **5 new hires** in **3 weeks** and ensuring continuity of a multiyear roadmap.

Dell Technologies **June 2020 – June 2021**

Backend Developer(Software Engineer) | India

- **Constructed** high-volume **REST APIs** in **Java** with **Spring Boot, Spring Data** and **PostgreSQL** for a storage platform handling **100K+ authenticated calls/day** with **p95 latency** under **200ms**.

- **Modernized** legacy **PL/SQL** routines into Java event-driven microservices on **Spring Cloud** and **Apache Kafka**, enabling real-time updates to 12 downstream systems and retiring 4 scheduler jobs.
 - **Streamlined** delivery workflows by implementing **GitHub pipelines** with Gradle builds, **JUnit** and REST Assured test stages, and automated artifact promotion, saving 6 engineer-hours during every weekly deployment cycle.
 - **Instrumented** applications with **Dynatrace** for **performance monitoring** and centralized **JSON** logging in **Elasticsearch**, building **Kibana dashboards** that enabled SRE and support teams to diagnose and resolve appx 20 production incidents in under an hour quarterly.
 - **Reinforced API** security with OAuth2 and **JWT**-based authentication, role-based access control and secrets management so the platform passed 2 security audits with no high-severity findings.
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EDUCATION

Illinois Institute of Technology
Master of Science in Computer Science

Chicago, IL
August 2023 – May 2025

Dayananda Sagar College of Engineering
Bachelor of Engineering in Computer Science

India
August 2017 – August 2021

TECHNICAL SKILLS

- **Frontend Development:** React.js, Angular, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS, Responsive UI/UX Design, Redux / Context API, Component-Based Architecture
 - **Backend Development:** Node.js, Express.js, Java (Spring Boot), Python (Django / Flask), .NET Core, RESTful API Development, Microservices Architecture, Authentication & Authorization (JWT, OAuth)
 - **Databases:** MySQL, PostgreSQL, MongoDB, SQL Server, Redis, Database Design & Optimization, ORM Tools (Hibernate, Sequelize, Mongoose)
 - **Cloud & DevOps:** AWS (EC2, S3, Lambda, API Gateway), Azure, Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins, GitLab CI), Nginx, Linux Server Management
 - **Version Control & Collaboration:** Git, GitHub, GitLab, Bitbucket, Agile/Scrum, JIRA, Confluence
 - **Testing & Quality Assurance:** Jest, Mocha, Chai, Cypress, Selenium, Postman, JUnit, Integration & Unit Testing, API Testing
 - **Other Technical Skills:** WebSockets, GraphQL, Message Queues (RabbitMQ / Kafka), JSON/XML, Performance Optimization, Caching Strategies, Security Best Practices (OWASP), Third-Party Integrations, API Documentation (Swagger/OpenAPI)
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PROJECTS

Reach Me Messenger | React.js, Node.js, MongoDB, Socket.IO, JWT, Express, PWA, Axios

- **Pioneered** a real-time messaging backend with **Node.js**, **Express**, **Socket.IO**, and **MongoDB**, sustaining 12 active chat rooms and reliably handling over 6K messages per day with delivery acknowledgements.
- **Integrated** **JWT**-based auth, **HTTP**-only cookies, and role-aware route guards into the **React** and **Axios** client, securing access for 3 distinct user roles while supporting 4 concurrent device logins per account.
- **Enhanced** **PWA** capabilities by adding offline message queues, service workers, and background sync, enabling users to send and receive up to 50 queued messages during connectivity drops without data loss.

AI SaaS Chatbot | React, Express, MongoDB, Node.js, OpenAI GPT-3.5-Turbo, JWT, Redux, Vite, Tailwind CSS

- **Assembled** a multi-tenant AI chatbot platform using **React**, **Redux**, **Node.js**, **Express**, and **MongoDB**, orchestrating chat session storage for 500 conversation threads and retaining 7-day history per workspace.
- **Devised** secure **GPT-3** request flows with server-side **API** proxying, **JWT** session management, and rate-limiting middleware, successfully serving up to 200 AI responses in a single hour without exceeding **OpenAI** quotas.

Digital Depot – E-Commerce Website | React, MongoDB, Node.js, Express, Redux, REST API, PayPal

- **Delivered** a modular e-commerce backend with **Node.js**, **Express**, and **MongoDB** **REST APIs** to power product catalog, cart, and order pipelines, managing an inventory of over 1K+ items and processing 400+ customer orders.
 - **Secured** payment flows by wiring **PayPal** **REST SDK** into checkout, validating webhook events, and logging transaction metadata, successfully processing 75 completed orders with zero failed captures in the first release.
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CERTIFICATIONS

- AWS Certified Developer – Associate – (In Progress)
- Oracle Certified Professional, Java SE – (In Progress)