

Contacts

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Skills

Frontend

Tools: React, TailwindCSS, ShadCN UI, Framer Motion, Magic UI

Languages: HTML, CSS, JavaScript

Backend

Tools: Spring Boot, Next.js, ExpressJS, MongoDB, FastAPI, SQLAlchemy, Alembic, JWT, Stripe, Docker, PostgreSQL, MySQL, AWS S3, Azure AD

Languages: Typescript, Golang, Python, Java, SQL

Other

Design Pattern, CI/CD, TDD

Achievements

Contributed To OSS

Contributed to the open-source Neovim plugin friendly-snippets, resolving bugs in React.js and Java snippet definitions.

- github.com/rafamadriz/friendly-snippets

Certifications

Fullstack Development

Introduction To Model Context Protocol

Model Context Protocol: Advanced Topics

YADUNANDANA D KULKARNI

Software Engineer

Software Engineer with a Master's in Fullstack Development, experienced in building scalable backend systems using Go, FastAPI, and Spring Boot. Passionate about designing resilient architectures, automating workflows, and delivering measurable business impact

Experience

2025  
2025  
5 mos

Betsol

Software Engineer Trainee

Built a modular backend for HR operations, streamlining employee data management and document workflows while improving maintainability and deployment efficiency.

FastAPI, Alembic, AWS S3, MySQL, TDD, OAuth2.0, Docker

Developed an MCP server with Azure OAuth2.0 authentication to securely access internal employee data and automatically match candidates to job descriptions, enabling BU Heads to identify top talent efficiently.

Model Context Protocol, FastMCP, Docker, OAuth2.0

Automated HR attendance report consolidation, reducing processing time from 1 hour to 6 seconds (600× faster) using a scalable, fault-tolerant processing pipeline.

Chain of Responsibility, Golang, TDD

2022  
2024  
2 yrs

Vion Consulting Pte. Ltd.

Implementation Engineer

Developed an interactive chat interface powered by a CNN model for brain tumor MRI classification, enabling faster, AI-assisted diagnostic assessments.

Python, Tensorflow, Machine Learning (CNN)

Built an IVR automation on Bright Pattern to handle Okta password resets, reducing manual IT support requests and improving efficiency.

Postman, IVR in Bright Pattern

Education

2019  
2022  
2023  
2025

BCA

National College



MCA : Fullstack Development

Jain University



Projects

TheDrip.

Built a full-stack e-commerce application with secure Stripe-based payment handling, JWT authentication, and AWS S3 integration. Designed REST APIs in Spring Boot for high concurrency and seamless checkout flow.

Technologies: React, ShadCN UI, Framer Motion, JWT, Spring Boot, AWS S3, Stripe, Vercel  
https://github.com/ydkulks/TheDrip , https://github.com/ydkulks/TheDrip-Backend