

Arun David Reddy Dodda

Senior Software Developer

india

+91 7989917871

dd@daviddodda.com

https://daviddodda.com

Profiles

daviddodda1

arundavidreddy

DavidDodda

Skills

Full-Stack Development

React, Node.js, TypeScript, NestJS, MongoDB, Redis

Web3 & Blockchain

Solidity, Rust, Web3.js, Smart Contracts, NFT Systems

AI/ML

LangChain, OpenAI Integration, LLM Fine-tuning, ComfyUI

DevOps

AWS (EKS, ECS, S3), Docker, CI/CD, Nginx

Hardware

Circuit Design, PCB Development, IoT Systems, 3D Printing

Certifications

IELTS

Overall - 8

Education

JNTUH

Electronics and Communication

2016-2020

B.Tech

Languages

English

Telugu

Hindi

More Projects

Student Assignment Submission Portal

A Web Tool for a teachers to collect assignments from students

Tech Used: Node.js, MongoDB, Handlebars.js, CSS + Bootstrap, Deployed on digital ocean droplet

Cloudflare DDNS

A simple Rust script to auto-mate the update of the dns on cloudflare.

Tech Used: Rust, Cloud Flare APIs

Ticket Aura

A web3, NFT based ticketing system for events and membership management

Tech Used: VueJs, NestJs, MongoDB, Rust, Solana

YouTube content Generator

Collaborated on building a Python script that scraped data from Reddit and uses Text to speech libraries and Moviepy library to generate video content for YouTube

Tech Used: Python

Tool to take Surveys with Geotagging

Build a webtool for an Urban Planning Project to conduct surveys with Geotagging for analyzing data based on location.

Tech Used: Node.js, MongoDB, React, mapbox, Deployed on digital ocean droplet

Data Analytics tool for capital investment

Tool that allows you to quickly identify trends across your customer cohorts to analyze your growth. (for organizations going to capital investment)

Tech Used: Node.js, MongoDB, Handlebars.js, CSS + Bootstrap, Deployed on digital ocean droplet

Zawn

Worked with a team to build a comprehensive platform for organizations to build an environmentally conscious workforce. I was responsible for a large portion of the backend development.

Tech Used: Node.js, MongoDB, React, CSS / JS, GitHub Actions CI/CD

Network Disconnect alert mechanism for headless Linux server

A Python script to trigger an alarm using the inbuilt buzzer in a Headless Linux Server to alert when the system is disconnected from the network.

Tech Used: Python, shell script

Summary

Senior Software Developer with extensive experience in full-stack development, blockchain, and AI systems. Passionate about building innovative solutions ranging from privacy-focused AI platforms to IoT hardware prototypes. Outside of leading development teams and architecting scalable applications, I enjoy 3D printing, building custom keyboards, and experimenting with home lab setups. Known for combining technical expertise with creative problem-solving to deliver impactful solutions.

Experience

Black Beard Development Group

Sr Software Developer

https://blackbeard.io/

March 2023 - Present

Remote

Led development of privacy-focused AI platform utilizing AWS microservices architecture

Architected fantasy sports DApp integrating Web3 payments and NFT rewards

Established CI/CD pipelines reducing deployment time by 60%

Mentored junior developers while managing stakeholder expectations

Key Projects:

Sentry AI | Lead Developer

- Built privacy-focused AI platform using distributed computing architecture
- Engineered scalable backend processing thousands of AI inference requests daily
- Implemented end-to-end encryption for user data protection
- Tech: AWS (EKS, ECS, S3), Next.js, NestJS, MongoDB, ComfyUI

Fantasy Football DApp | Technical Lead

- Developed Web3 platform integrating Yahoo Fantasy Football with blockchain
- Built automated smart contract system for league payments and wagering
- Created NFT trophy system with IPFS storage
- Tech: Node.js, React, Solidity, Web3.js, MongoDB

Proxy Tokens | Core Developer

- Engineered anti-phishing NFT verification platform with Shopify integration
- Built trustless verification system protecting high-value NFT transactions
- Implemented secure token transfer protocols
- Tech: Node.js, Solidity, React, Shopify API

Rapid Innovation

Sr Software Developer

https://www.rapidinnovation.io/

Apr 2022 - Mar 2023

Remote

Spearheaded development of low-latency, high-availability applications

Led sprint planning and execution for team of 5 developers

Implemented comprehensive QA processes improving code quality by 40%

Built and maintained technical documentation framework

Key Projects:

Solvenir NFT Marketplace | Lead Developer

- Built full-stack NFT marketplace on Solana blockchain
- Implemented DeFi features including staking and automated market making
- Created NFT launchpad platform for new projects
- Tech: Rust, React, Solana, MongoDB

Battle Ground Legends | Technical Lead

- Developed Web3 multiplayer game with NFT integration
- Built real-time multiplayer system using Photon Engine
- Implemented NFT staking mechanics and token economy
- Tech: Unity, NestJS, MongoDB, Rust, Solana

Pool Shark Billiard Club | Backend Lead

- Created real-time match-making and tournament management system
- Implemented skill-based player ranking algorithm
- Built payment processing and reward distribution system
- Tech: Node.js, MongoDB, WebSocket, Redis

V-REAP

Full Stack Developer & Curriculum Designer

https://www.vreap.org/

Apr 2018 - Oct 2021

Designed and delivered Electronics & Robotics curriculum reaching 850+ students

Created hands-on projects and video content for rural students

Trained 50+ social entrepreneurs to effectively deliver technical education

Built and maintained evaluation platforms supporting the curriculum

Key Projects:

Business Ideation Festival | Technical Lead

- Built scalable assessment platform handling 20,000+ students
- Developed automated scoring system for business proposals
- Created real-time analytics dashboard for program tracking
- Tech: Node.js, MongoDB, Real-time Analytics, Digital Ocean

Entrepreneur Assessment Tool | Lead Developer

- Developed psychometric evaluation platform for social entrepreneurs
- Built custom reporting system with actionable insights
- Created mobile-first interface for rural accessibility
- Tech: Node.js, MongoDB, Progressive Web App

Electronics Curriculum Platform | Full-Stack Developer

- Built video-based learning platform reaching 850+ students
- Created offline-first architecture for areas with limited connectivity
- Developed progress tracking and assessment system
- Tech: Node.js, MongoDB, Video Streaming

Projects

Smart Switch Board | IoT Hardware Project

IoT power monitoring system with production-ready design

Engineered custom PCB with hot-swappable relays for easy maintenance

Built real-time power monitoring system with per-device consumption tracking

Created mobile dashboard for remote control and power usage analytics

Tech: NodeMCU, Custom PCB Design, Node.js, MongoDB, IoT Sensors

Video Generator | Ad Campaign Automation

Built Python script generating thousands of personalized video ads

Implemented dynamic text-to-video overlay system for viewer customization

Created automated rendering pipeline reducing manual editing time by 90%

Tech: Python, FFmpeg, OpenCV, AWS Lambda