Archana TK
Front-End Engineer

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about me.

A versatile front-end developer with a keen eye for design. Passionate about crafting user facing products that just works. I have a sharp eye for design and can translate UI/UX designs into high-quality code.

Experiences.

SDE - Asteriscus adtech

Kerala → Jan 2025 - Present

Founding team member at a startup building digital in-transit media systems delivering dynamic ads and passenger information with full OTA control. Developed and maintained advertiser-facing platforms for creative uploads, campaign scheduling, and real-time display tracking.

Stack: Linux (TTY/Wayland/Framebuffer), Golang, React, Docker, Kafka, SQLite, Prometheus, Grafana, Loki, Terraform, Cloudflare, NetworkManager/ModemManager, Rockchip boards, Raspberry Pi, systemd, shell scripting, CI/CD.

NodeJs Developer - Vymo │ MetaZ Digital

Bangalore → May 2024 - Jan 2025

Key developer for HDFC Bank's collections system (via Vymo), delivering critical fixes and enhancements for mission-critical fintech applications. Diagnosed and resolved high-impact issues, including complex Kafka and Airflow DAG problems. Built data integrations across MongoDB, MySQL, and Elasticsearch for reliable payment reporting.

Tech: Node.js, Express.js, Microservices, REST API, JWT, OAuth, Passport.js, JavaScript/TypeScript, MongoDB/Mongoose, MySQL, Elasticsearch, Kafka, Airflow, SFTP, WebSockets, Git, Jira.

React Intern - GamersBack

Remote → Nov 2023 - Mar 2024

Enhanced company's website and admin panel using React.js (Vite) with responsive Tailwind components. Built features on a monolithic architecture for scalable, integrated design.

Implemented JWT authentication, React Router navigation, and Redux for efficient state management.

Tech: React.js, Vite, Tailwind CSS, Material UI, Redux, React Router, JWT, HTML/CSS, JavaScript, TypeScript, Figma.

Achievements.

Reported Critical Vulnerability - Manorama Media

November 2025

Identified a critical vulnerability in Manorama Media's online magazine platform that allowed magazines to be downloaded by bypassing security controls. Reported the issue and built a private Chrome extension demonstrating the flaw by enabling one-click free downloads.

Demo Video

Frontend Volunteer - People+AI

Remote → Jan 2025 - Mar 2025

Volunteered on Sunva AI, a project supporting the deaf community through tech-driven communication tools

Socials.

Github

LinkedIn

Medium

YouTube

Exercism

Education.

Chinmaya College

BCA

Recognition.

Lead - Campus Code Club

Sep 2019 - May 2021

Mentor - Tinker-Her-Hack │ Tinkerhub Foundation

Kerala → Mar 2 - 3, 2024

Mentored a 24-hour hackathon at Vimal Jyothi Engineering College, guiding seven B.Tech teams with technical support and problem-solving insights.

Computer Science Tutor

Kerala → Dec 2020 - Present

Taught 11th and 12th-grade students programming, data structures, algorithms, and software development concepts, fostering practical problem-solving skills through hands-on coding projects.