

Uchit Chakma

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SKILLS

Languages: JavaScript, TypeScript, Python, SQL, Java, C++, PHP, HTML, CSS

Frameworks: React, Next.js, Angular, Django, Ruby on Rails, Flask, Flutter, React Native, WordPress, Shopify

Cloud & Tools: AWS (EC2, Lightsail, App Runner, Aurora RDS, S3), Oracle Cloud, Docker, Git, GitHub, Nginx, CI/CD, REST APIs, Postman, Elasticsearch, Figma

Databases: PostgreSQL (pgvector), MongoDB Atlas, MySQL

AI: OpenAI Assistants API, LangGraph, Whisper AI, pgvector, Vector Search

WORK EXPERIENCE

UCDREAMS Technologies LLP

Bengaluru, India

Lead Full Stack Developer

May 2024 – Jan 2026

- Developed and delivered **20+** production web applications and client solutions using *React, Next.js, Django, Flask, Ruby on Rails, WordPress, Shopify, and PostgreSQL*, serving businesses across multiple industries.
- Built AI-powered SaaS products including Captionator (*AI video captioning*), Jimmy (*AI business assistant*), and Staydaze (vacation rental marketplace), integrating *OpenAI, Whisper AI*, payment gateways, authentication, and cloud infrastructure.
- Engineered custom *WordPress plugins, Shopify features, REST APIs, booking systems*, and database-driven applications, reducing manual workflows and enabling scalable client operations.
- Deployed and maintained production systems on *AWS and Oracle Cloud* using *Docker, Nginx, Unicorn, SSL*, and *CI/CD workflows* while providing long-term maintenance for multiple business clients.

Credvest Pvt Ltd

Bengaluru, India

Lead Full Stack Web Developer

Sept 2023 – May 2024

- Delivered 10+ responsive websites using *WordPress, HTML, CSS, JavaScript, TypeScript, React, and Angular*, transforming client requirements into production-ready web solutions.
- Improved website performance by 30% through frontend optimization, image compression, caching, and SEO best practices, increasing page speed and search visibility.
- Developed custom WordPress features, reusable UI components, and responsive interfaces, ensuring cross-browser compatibility and consistent experiences across desktop and mobile devices.
- Collaborated with designers and stakeholders to deliver high-quality websites on schedule while resolving production issues and implementing modern web development best practices.

Anetcorp Pvt Ltd

Bengaluru, India

UX Engineer

Oct 2022 – Aug 2023

- Designed high-fidelity user interfaces and interactive prototypes in Adobe XD for 2 internal enterprise applications supporting *Deloitte's Global Tax & Legal operations*, translating business requirements into intuitive user experiences.

- Developed responsive UI pages using *HTML, CSS, JavaScript, and Angular*, collaborating with developers to deliver consistent, production-ready interfaces across enterprise workflows.
- Designed complex workflows for compliance management, dashboard analytics, jurisdiction configuration, and internal review processes, improving usability for global tax professionals.
- Partnered with business analysts and engineering teams to iterate on user feedback, streamline enterprise workflows, and maintain a consistent design system across multiple application modules.

EDUCATION

Visvesvaraya Technological University

Bengaluru, India

Bachelor of Engineering in Computer Science

Mar 2018 – May 2022

- Final Year Project: Developed a React Native carpooling application that enabled users to share rides, promoting community-based transportation and reducing traffic congestion.

PROJECTS

Captionator — Open Source AI Video Captioning SaaS

React • Flask • PostgreSQL • Whisper AI • FFmpeg.wasm • Oracle Cloud

- Architected a client-side video processing pipeline using FFmpeg.wasm, reducing video upload bandwidth by approximately 95% while preserving user privacy.
- Built an AI-powered caption rendering engine using Whisper AI, supporting karaoke, typewriter, and animated subtitles with customizable styling and word-level timing.
- Developed a production SaaS platform with JWT authentication, subscription management, PayPal/Razorpay integration, coupon support, and an administrative dashboard.
- Deployed the application on Oracle Cloud using Nginx, PostgreSQL, SSL, and automated deployment scripts for reliable production hosting.

Jimmy — AI Business Assistant

React • Django • LangGraph • OpenAI • MongoDB Atlas • PostgreSQL (pgvector) • AWS App Runner • Docker

- Built an AI-powered travel proposal platform using *LangGraph* and the *OpenAI Assistants API*, enabling *natural-language itinerary planning*, semantic catalog search, and automated proposal generation.
- Engineered a dual-database architecture using MongoDB Atlas for operational business data and *Amazon Aurora PostgreSQL (pgvector)* with *OpenAI embeddings* for semantic search and AI memory, powering *LangGraph* tool-calling workflows.
- Designed an intelligent RFP workflow that extracted client requirements, generated structured day-by-day travel proposals, and exported deliverables to Excel and PowerPoint using automated validation and retry mechanisms.
- Dockerized and deployed the platform on *AWS App Runner*, implementing secure cross-domain authentication, *vector synchronization pipelines*, *S3 integration*, and *production-ready REST APIs*.
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Staydaze — Vacation Rental Marketplace

Ruby on Rails • React • Flutter • PostgreSQL

- Leading development of a three-application vacation rental platform comprising a *Ruby on Rails API*, *React* admin dashboard, and *Flutter* mobile application.

- Implemented RBAC-based property verification, host *KYC* onboarding, *Google Maps* integration, and notification workflows for administrators and property hosts.
- Built reusable multi-step property listing and experience management workflows, streamlining content publishing across web and mobile platforms.
- Established automated quality gates using *Docker*, *RSpec*, *ESLint*, *Jest*, *RuboCop*, and *Brakeman* to improve code quality and deployment reliability