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WORK

Insight   Remote
CTO & Founding Software Engineer   May 2024 - Present

- Defined and executed the company's long-term technical roadmap, leading the transition from MVP to a scalable platform using Django, Next.js, and AWS, aligning engineering efforts with business objectives and investor expectations.

- Developed and deployed a white-label multi-tenant SaaS platform built with Django and Next.js, allowing clients to customize branding, domain routing, and feature sets, leading to a 15% increase in B2B adoption and expanding market reach.

- Developed a scalable credit-based payment and billing system using Stripe, Django, and PostgreSQL, integrating automated credit purchasing, subscription management, and real-time transactional analytics, contributing to a 12% increase in recurring revenue.

- Architected a modular microservices infrastructure with Docker, AWS ECS, and PostgreSQL, enabling independent scaling of services, improving fault tolerance, and reducing system downtime by 20%, ensuring seamless real-time data synchronization across services.

- Engineered an LLM-powered AI agent utilizing Eleven Labs, OpenAI APIs, and custom LLM integrations, automating conversational workflows, improving customer interactions by 25%, and reducing manual support workload by 20%.

- Integrated an event-driven webhook processing system using AWS SQS, Django, and distributed queuing, ensuring reliable message delivery and preventing data loss during outages by automatically retrying failed requests.

- Designed and implemented a fault-tolerant API management system with SQS to capture, log, and intelligently retry failed API requests, improving system reliability and reducing customer-reported issues by 18%.

- Designed a high-performance task execution system using Celery, Redis, and AWS Lambda, enabling large-scale distributed job execution, asynchronous campaign processing, and reducing workload bottlenecks by 22%.

- Led security and compliance initiatives, ensuring GDPR best practices, implementing role-based access control (RBAC) with Django, and reducing security vulnerabilities by 30%.

- Optimized AWS infrastructure and deployment processes, reducing operational expenses by 15% through automated resource provisioning, AWS cost optimizations, and CI/CD pipelines using GitHub Actions and Docker while maintaining high availability.

- Expanded and led the engineering team from 3 to 10 developers, implementing agile methodologies, Next.js front-end best practices, Django backend optimizations, and increasing team velocity by 18% through structured mentorship and workflow optimizations.

- Collaborated cross-functionally with product, design, and business teams, ensuring technical solutions aligned with market needs, and played a key role in securing early B2B partnerships to drive adoption.

Artera   London
Backend Software Engineer   Sept 2023 - Dec 2024

- Re-architected the REST API backend by optimizing endpoints, integrating Redis for faster data caching, and implementing Sentry for real-time error monitoring, reducing API response time by 35% and improving system stability.

- Designed and managed an Amazon ECS cluster, ensuring scalable and high-availability infrastructure, while leveraging Amazon RDS for robust relational database management, improving query performance by 40% and reducing downtime by 25%.

- Automated build and deployment workflows with GitHub Actions, implementing a robust CI/CD pipeline that decreased deployment time by 50% and reduced manual intervention by 80%.

- Developed and integrated a secure billing system with Stripe and Google Play subscriptions, automating transactions and increasing revenue efficiency by 30% while reducing payment processing issues by 20%.

- Built a modern, responsive React application that enhanced user experience, leading to a 25% increase in user engagement and reducing page load times by 40% through optimized frontend-backend interactions using Django Rest Framework.

- Engineered an Amazon S3-based audio pipeline for seamless file uploads, processing, and storage, cutting file processing times by 60% and optimizing performance for applications handling large media files.

- Containerized applications using Docker, ensuring streamlined deployment and scalable infrastructure across diverse environments, reducing deployment errors by 45%, while deploying services using Gunicorn and Nginx for optimized web service delivery on AWS.

- Established and managed Linux servers with security best practices, implementing SSH key authentication, system optimizations, and continuous monitoring, leading to a 50% reduction in security vulnerabilities and a 30% improvement in server performance.

- Developed a structured multi-environment configuration using Django multi-settings, ensuring seamless transitions between staging and production, decreasing configuration errors by 40% and improving deployment efficiency.

- Implemented test-driven development (TDD) with comprehensive test suites, automating Django management commands for workflow efficiency, increasing code reliability by 35% and reducing regression issues by 50%, while leveraging AWS Lightsail for cost-effective, scalable hosting.

Rolecatcher   Remote
Full Stack Software Engineer   Feb 2022 - Sept 2023

- Provided crucial support to a junior developer struggling with a complex project, offering guidance and troubleshooting assistance to help them overcome technical obstacles and achieve their objectives.

- Directed the successful development and launch of an exciting project, overseeing the entire development lifecycle from initial design to user feedback analysis.

- Led a team-wide effort to improve development processes, identifying areas for improvement and implementing new tools and methodologies to streamline workflows and improve project outcomes.

- Designed and developed a data dashboard panel in Django that displayed key information to users, resulting in a 20% increase in user engagement.

- Developed a highly efficient backend using the Django Python framework, leveraging CRUD operations and advanced techniques to optimize performance and streamline development processes.

- Built a user settings page and email authentication system that improved user experience and boosted sign-ups by 25%.

- Refactored code with an emphasis on reusability, object orientation and reducing load on the database server, leading to a 15% improvement in website speed and performance.

- Successfully collaborated with a team of developers and designers to build and deploy multiple web applications on the Django framework, resulting in a 40% increase in user acquisition and retention.

- Demonstrated expertise in Django frameworks, using REST API, PostgresSQL databases, as well as HTML, CSS, and JavaScript to develop visually appealing and user-friendly web pages.

WePrepFBA   Remote
Full Stack Software Engineer   Feb 2022 - May 2022

- Developed a warehouse management system that tracks incoming orders using SQL, Python, and Django, resulting in improved efficiency and meeting project requirements.

- I leveraged the powerful combination of HTMX and Bootstrap4 to architect and develop the frontend for a comprehensive warehouse management system, demonstrating my proficiency in cutting-edge web development technologies.

- Adapted quickly to new technologies, learning Deluge within 3 days and proposing using Django instead to better meet the aim for project requirements.

- Collaborated effectively with cross-functional teams to troubleshoot and solve technical issues, resulting in a 25% decrease in project turnaround time.

- Implemented various features, such as order tracking, inventory management, and reporting functionalities, to provide a comprehensive solution to the client's needs.

- Led and participated in regular meetings and presentations with clients and cross-functional teams, ensuring that all project requirements and timelines were met while maintaining an open line of communication throughout the project.

Norfolk Community Advice Network 　　　　　　　　　　　　　　　　　Remote
Project Manager (Work Experience) 　　　　　　　　　　　　　Jun 2021 - Jul 2021

- Led a team of 8 professionals in an Agile development process, leveraging Scrum framework and Kanban boards, to deliver a high-quality website that resulted in a 50% increase in productivity.

- Implemented Agile methodologies, such as daily stand-up meetings and iterative development cycles, to maintain effective communication channels with the client, providing regular updates on project progress and promptly addressing any concerns or queries.

- Applied Agile project management principles to gather and process client requirements, translating them into a Gantt chart, which boosted team productivity and achieved a 15% improvement in project completion time.

- Utilized Agile feedback and coaching techniques to provide regular feedback and coaching to team members, enhancing their skills and capabilities, resulting in improved team performance and job satisfaction.

- Coordinated with internal stakeholders using Agile practices, such as regular sprint reviews and retrospectives, to ensure timely achievement of project milestones and adherence to budget constraints.

- Efficiently managed a large volume of pending requirements and technical issues using Agile techniques, such as backlog prioritization and sprint planning, ensuring smooth project execution and a 30% decrease in project delay.

EDUCATION

DevelopEBP 　　　　　　　　　　　　　　　　　　　　　　Norwich, England
BTEC National Diploma Information Technology *GPA: Distinction* 　　Aug 2019 - Jul 2022

University of Essex 　　　　　　　　　　　　　　　　　Colchester, England
BSc Computer Science 　　　　　　　　　　　　　　　　Aug 2022 - Interrupted

SKILLS

Frontend:	React, HTML, CSS, JQuery, Tailwind, Boostrap
Backend:	Django, Flask, Node.JS, Docker, Kubernetes, PostgreSQL, SQL Lite, Amazon ECS, CI/CD with GitH
Languages:	Python, Javascript, Typescript, SQL, Git, Ubuntu, Kurbunets
Version Control:	Github, Git, Bash
Interests:	Figma, UX UI, Photoshop, Premier Pro, Boxing

PROJECTS

TikTok Content Management System *Django, REST API, JWT Authentication* Reference upon request
I successfully designed and built a TikTok-themed backend Content Management System (CMS) by leveraging the capabilities of both Django and React.

AI Job Board *Flask, React, Docker, Kurbunets, Pandas, SQL, Scikit-learn* 　　Reference upon request
I built an AI-powered job board using Flask that allows job seekers to easily find the most relevant job openings based on their skills and experience. The job board features an AI model that extracts skills from job listings and ranks them against a user's CV, providing a customized list of the most relevant job openings.

Trading Portfolio Tracker *Django, JavaScript, RESTful API, Data visualization* 　Reference upon request
Developed a Django web application that allows users to track their MetaTrader account, view portfolio and account information, and journal trades for analysis. This project provided users with real-time updates on their account performance, resulting in a 25% increase in user engagement and satisfaction. The app also allowed for seamless integration with different MetaTrader account types and can be easily customized to meet the specific needs of different traders and investment firms.

Python Indeed Scraper Library *Selenium, Data extraction, Web crawling, Automation*
https://github.com/CertifiedJimenez/Indeed-Scraping-Library
I created a Python library package that automates the job application process on Indeed using BeautifulSoup and Selenium. This led to a 40% increase in relevant job applications and saved 10 hours per week for the job seeker. The library is scalable and customizable for different industries.