

ABAS CHARLES

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www.devabascharles.com

SENIOR SOFTWARE ENGINEER | AI ENGINEER

Senior Software Engineer with 10+ years of experience designing and building scalable web, mobile, and AI-powered products. I specialize in architecting end-to-end solutions, from modern frontend applications and robust backend systems to AI integrations and cloud infrastructure. Having worked with startups, enterprises, and government organizations across multiple industries, I consistently deliver high-quality software that solves real business problems and scales with growth.

SKILLS & TECHNOLOGIES

Languages: JavaScript, TypeScript, Python, PHP

Frontend: React, Next.js, HTML5, CSS3, Tailwind CSS, Redux, Framer, Shopify, WordPress, Webflow, Squarespace

Backend: Node.js, Express.js, NestJS, REST APIs, GraphQL, PostgreSQL, MongoDB, DynamoDB, Strapi

Mobile: React Native, Flutter, Progressive Web Apps

AI & Machine Learning: OpenAI API, Claude API, LangChain, LlamaIndex, RAG, pgvector, AI Agents, LLM-powered Applications

Cloud & DevOps: AWS, Azure, Firebase, Docker, Git, CI/CD, Postman

Design & Collaboration: Figma, Adobe XD, Jira, Notion, Slack, Trello, Asana

WORK EXPERIENCE

EASYFYND AFRICA (PropTech • AI)

Mar 2023 – 2026

Lead Software Engineer

- Built EasyFynd, an AI-powered proptech marketplace connecting property seekers with agents, hosts, hotel operators, and property managers across Africa.
- Architected and developed the platform end-to-end, including the web application, iOS and Android apps, backend services, and AI-powered property search.
- Engineered semantic search using embeddings, vector search, and RAG pipelines to deliver more relevant property recommendations beyond traditional keyword matching.
- Designed a scalable multi-tenant architecture with role-based access control and led the product through development, deployment, and App Store and Google Play releases.

UPWORK

Mar 2020 – Present

Full Stack Software Engineer

- Delivered 40+ web, mobile, and AI projects for startups and enterprises, maintaining a 100% Job Success Score and earning Top Rated status.
- Built scalable websites, web applications, mobile apps, and AI-powered solutions tailored to diverse business needs.
- Collaborated remotely with international teams across multiple industries, managing projects from discovery through deployment.

ZOCKET, UNITED STATES | INDIA (MarTech • AI)

Feb 2024 – Dec 2024

Lead Frontend Engineer

- Contributed to the development of Zocket, an AI-powered marketing platform for ad intelligence and competitor analysis.
- Built intuitive dashboards and advanced search features using React, Next.js, TypeScript, and Tailwind CSS, enabling users to discover and analyze competitor ads.
- Collaborated with cross-functional teams to deliver scalable, high-performance features and AI-powered user experiences.

FILL EASY (HAD), HONG KONG – CHINA (GovTech)

Jan 2023 – Feb 2024

Full Stack Software Engineer

- Developed a Hong Kong Government portal that digitized the allocation and management of burial grounds, replacing a manual workflow.
- Designed the user experience in Figma and built the platform end-to-end using Next.js, TypeScript, Redux, and AWS Serverless technologies.
- Collaborated with stakeholders to deliver a secure, scalable solution aligned with government requirements.

HEAVYOPS, UNITED STATES

Jan 2022 – Dec 2022

Mobile Developer

- Developed cross-platform mobile applications using React Native and TypeScript, implementing features that improved functionality, performance, and user experience.
- Collaborated with cross-functional teams to deliver scalable mobile solutions aligned with business objectives.

KWAH LEARNING, UNITED STATES (EdTech)

Jan 2021 – Feb 2022

Full Stack Software Engineer

- Developed an EdTech platform enabling parents to enroll and manage their children's learning through intuitive parent and administrator portals.
- Built scalable frontend and backend solutions, including the landing page, parent portal, and administrative dashboard.
- Collaborated with stakeholders to deliver a secure, user-focused platform aligned with educational objectives.

Full Stack Software Engineer

- Built a bug bounty platform from the ground up, developing both the frontend and backend.
- Developed secure, scalable features using React and Python, integrating APIs to support vulnerability reporting and management.
- Collaborated with the security team to deliver a high-performance platform aligned with security best practices.

BRANDING DAIL, UNITED STATES | UK. (Digital Agency)

Jun 2016 - Jan 2020

Full Stack Developer + Project Manager

- Delivered 100+ digital projects over four years, building websites, web applications, and mobile applications for clients across diverse industries.
- Collaborated with cross-functional teams to deliver scalable, high-quality solutions with a strong focus on user experience, responsiveness, and brand consistency.
- Managed projects from concept through delivery, ensuring client satisfaction and timely execution.

This CV highlights selected professional experience. Additional projects and client engagements are available upon request.

CERTIFICATIONS AND AWARDS

Tech Impact Awardee

Provider: Cirvee | Tech Cirvee Fest 3.0 | Beauty of Tech

<https://www.instagram.com/p/DYqB4Rlos5H>

Advanced React Native & React Development Certificate

Provider: Upwork

<https://www.upwork.com/freelancers/charlesabas>

Responsive Web Design Certificate

Provider: freeCodeCamp

https://www.freecodecamp.org/certification/charles_abas/responsive-web-design

Front End Development Libraries Certificate

Provider: freeCodeCamp

https://www.freecodecamp.org/certification/charles_abas/front-end-development-libraries

Data Visualization Certificate

Provider: freeCodeCamp

https://www.freecodecamp.org/certification/charles_abas/data-visualization

Back End Development and APIs Certificate

Provider: freeCodeCamp

https://www.freecodecamp.org/certification/charles_abas/back-end-development-and-apis

Legacy JavaScript Algorithms and Data Structures Certificate

Provider: freeCodeCamp

https://www.freecodecamp.org/certification/charles_abas/javascript-algorithms-and-data-structures

Legacy Information Security and Quality Assurance Certificate

Provider: freeCodeCamp

https://www.freecodecamp.org/certification/charles_abas/information-security-and-quality-assurance

Legacy Full Stack Certificate

Provider: freeCodeCamp

https://www.freecodecamp.org/certification/charles_abas/full-stack

Google Android Development Bundle

Provider: Google

<https://drive.google.com/file/d/10uwlQy5f3uxc2sLZlc6Cim8Os8U65H65/view?usp=sharing>

Andela | Google Africa Android Developer Course

Provider: Google

<https://drive.google.com/file/d/10xmErZSyLcG-V7oKaRsXRknnHXsejWxq/view?usp=sharing>

These certifications complement my hands-on experience building AI, web, mobile, and cloud solutions across startups, enterprises, and government organizations.