

JOSH CLAXTON

Full Stack Developer

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Senior Full Stack Developer a unique blend of creative thinking, solution engineering, and product development. Skilled at balancing vision with execution, delivering user-friendly, pixel-perfect front-end work, while also fully managing the design of API endpoints and DevOps on the back-end layer.

PROFESSIONAL EXPERIENCE

Productiv, Palo Alto, CA

11/2022 – 12/2023

Full Stack Developer/Web Engineer

- Developed a SaaS MVP, integrating Next/React and Angular for dynamic front-end experiences and Node.js and Nest.js for robust server-side functionality.
- Developed RESTful and GraphQL APIs using Node.js and Django, ensuring a robust back-end to front-end integration.
- Led database schema design and query performance optimization for MySQL, PostgreSQL, and MongoDB, upholding top-tier data interactions and response times for front-end requests.
- Utilized advanced front-end state management patterns to build complex application states, leading to a more predictable UI behavior across large-scale projects.
- Improved front-end performance, by employing efficient bundling strategies with Webpack and code-splitting techniques in React.
- Directed the product execution strategy, balancing stakeholder vision with technical integrity.

QUANTUM TRANSPORT SOLUTIONS, Dallas, TX

07/2020 – 11/2022

Software Engineer/ UI Engineer

- Developed and launched a new WMS equipped with RFID/SKU tracking system using React.js and Django, resulting in a 25% increase in online sales within the first three months.
- Automated repetitive tasks and workflows by developing custom scripts and utilities in Python, saving over 100 hours in manual work annually.
- Executed a pivotal role in developing interactive data visualization tools using D3.js, Matplotlib and React, driving a 40% uplift in user comprehension of complex datasets for enterprise clients.
- Implemented a versatile front-end component library in collaboration with UX designers, which expedited the prototyping phase and increased developer productivity by 60%.
- Engineered a real-time IoT monitoring system in Django stack and integrated RPA , effectively reducing response times by 200%.

Paypal, San Jose, CA

06/2019 – 07/2020

Full Stack Developer (Remote)

- Implemented complex features in algorithmic trading platforms using FastAPI and Pandas for efficient data processing and Scikit-Learn for predictive analytics.
- Architected front-end architectures of Next/React and worked closely with UX designers to bring compelling and intuitive user interfaces to life, improving end-user satisfaction ratings by 25%.
- Implemented CI/CD pipelines, increasing deployment efficiency and reducing downtime using GCP's suite of tools.

- Developed comprehensive billing systems and payment gateways integration for e-commerce clients, enhancing transaction security and user satisfaction.
- Collaborated in the creation of dynamic SPA (Single Page Applications) that improved the user journey, leading to a 90% increase in session time and a 50% decrease in bounce rates.

Powerschool, Folsom, CA

06/2015 – 07/2019

Web Developer (Onsite)

- Improved server-side logic for multiple projects, aligning with industry best practices in backend development with Node.js.
- Engaged in database administration tasks, writing optimized SQL queries for PostgreSQL and schema design for MongoDB and Neo4j.
- Aided in the development of an innovative Just Walk-Out retail technology platform, which revolutionized shopping experiences.
- Developed and optimized several interactive dashboards using D3.js and Chart.js for real-time data visualization and reporting.
- Integrated numerous third-party services and APIs on .Net to extend app functionalities, including payment processing, social media interactions, and geolocation services.

EDUCATION

University of California Irvine, Irvine, CA

04/2011 - 08/2015

Masters Degree in Computer Science

PROFESSIONAL SKILLS

Languages: Javascript, TypeScript V4, C#, Python, Html, Css

Frameworks: Node.js, .Net, Django, Next.js, Redux, Tailwind Css, BootStrap

Libraries/APIs: React, Angular, Vue, RestAPI, FastAPI, Scikit-Learn, Pandas, D3.js, jQuery

Platforms: GCP, Docker, Azure, Firebase, Supabase, AWS(S3, DynamoDB, Lambda, ECS, SNS)

Storage: PostgreSQL, MySQL, MongoDB, Neo4j, SQLite, JSON, XML

Version & PM Control: Git, GitHub, GitLab, Jira, ClickUp

Others: Product Development, Web Development, Full-stack Development, Front-end Development, Back-end Development, User Interface (UI), MVP, Khanban, GPT, Kubernetes, Microservices, Financial Analysis, Billing Systems, Card Payments, A/B Testing, Web Analysis, Just Walk-Out, IOT, Prompt Engineering

Project-based Experience

1. WMS with RFID/SKU tracking system (React & Python)

A leading retailer needed to modernize their warehouse management system (WMS) to improve inventory accuracy and fulfillment speed. I proposed a cloud-native solution and developed Node API, MongoDB schema, React admin app. I integrated Zebra RFID printers/readers via IoT Core MQTT.

2. Boat Renting Web Application (Next.js)

I built over 40 web pages and architected and implemented booking, listing and matching functionalities. Also the project included an online payment system, advanced search by geolocation and user review system.