

Brandon Owens

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Professional Summary

Decade-plus Senior Software Engineer and successful E-commerce Founder with a focus on delivering scalable, profitable solutions. Proven architectural, full-stack, and business development expertise, underpinned by strong foundational engineering discipline (NJATC 5-Year Master-Level Certificate).

Currently focused on cloud-native application development and AI/ML integration, holding 10+ AWS and AI/ML professional certifications/badges. Seeking a challenging architectural or senior development role where technical depth drives business value.

Professional Experience



Application Tech Lead | Amergis

Oct 2024 - Present (1+ year)

- **Engineering Leadership & Architecture:** Lead a cross-functional team (10+ devs, UI/UX, QA) owning the technical direction for enterprise .NET Core, React, and Expo applications. Architect cloud-native services across AWS and Azure (leveraging Azure Key Vault, App Insights, and MySQL), while establishing rigorous engineering standards, Agile practices, and CI/CD pipelines to ensure the delivery of scalable, secure solutions for nationwide healthcare staffing.
- **Independent USD R&D:** Spearheaded an architectural initiative to integrate OpenUSD into the enterprise data lifecycle. Engineered a custom bridge allowing React frontends to manipulate 3D scene properties in NVIDIA Omniverse in real-time, effectively bridging the gap between traditional full-stack web environments and spatial computing.
- **Technical Vision & Prototyping:** Developed a Digital Twin POC using USD Overrides and Variants to visualize high-fidelity simulations. Socialized this technology with executive stakeholders as a future-state roadmap for spatial operational intelligence, demonstrating how 3D environments can forecast hospital demand and optimize facility flow.
- **Mentorship & Growth:** Actively recruit and mentor developers, driving a culture of high performance through code reviews and rigorous troubleshooting. Translate complex business requirements into technical roadmaps that balance immediate product needs with long-term architectural stability.



Senior Full-Stack Engineer | Federal Aviation Administration

Nov 2023 - May 2024 (7 months)

- Senior Full-Stack role within an enterprise environment, responsible for end-to-end development, system performance, and modernization of a large-scale production application. Key contributor to architectural decision-making and cross-functional feature delivery.



Senior Full-Stack Engineer | U.S. Department of Homeland Security

Jan 2023 - Nov 2023 (11 months)

- Supported and maintained a mission-critical application serving 100,000+ daily users, built with Java, Spring Boot, Node.js, Angular JS, React, Typescript, Mysql, AWS Gov Cloud, New Relic, and Kubernetes. Leveraged proficiency in Angular JS and React to optimize frontend performance, and lead a team of React developers on a large-scale modernization effort. Used Kafka and Amazon SQS for large scale event streaming.



Senior Full-Stack Engineer | Simply Nutrition

Jan 2014 - Oct 2022 (8 years 10 months)

- Architected and deployed the core systems for a successful Inc. 5000 e-commerce startup, achieving 50% YoY revenue growth. Designed a highly scalable, event-driven ERP system (C#, RabbitMQ) and a React-based platform, boosting order efficiency by 40% and customer engagement by 30%. Directed multi-cloud infrastructure strategy (AWS/GCP) and managed the entire product lifecycle with end-to-end technical accountability.

Certifications & Badges



Compute, Cloud Essentials, Serverless, Migration Foundations, File Storage, Networking Core, Cloud Game Development, Data Protection and Disaster Recovery



Azure

Develop Generative AI Apps in Azure AI Foundry Portal



10+ Verifiable Certifications/Badges

<https://www.credly.com/users/brandon-owens.271eae43/badges#credly>

Technical Education & Formal Training



Master-Level Technical Certification (5-Year Program) | 2007 - 2012

NJATC/NECA Joint Apprenticeship

A rigorous, 5-year technical curriculum emphasizing systems thinking, advanced engineering principles, and deep troubleshooting.



Certified Gold Full Stack E-commerce Developer | 2016

Magento University



Professional Certificate: Java Programming & Software Engineering Fundamentals | 2017

Coursera

Additional Professional Projects



Elegant Framework

April 2023 - Co-founded Elegant, a community-driven project that simplifies the process of building, deploying, and maintaining websites. This innovative platform, built with cutting-edge technologies such as Node.js, Next.js, Tailwind CSS, TipTap, and PostgreSQL, is ideal for a wide range of web applications, including blogging and documentation websites.



Fillify

Jan 2020 - Designed, prototyped, and launched a scalable Amazon FBA inventory management tool as a SaaS product, improving inventory management efficiency for hundreds of customers. Built a high-performance Next.js PWA using React and Typescript, and developed a robust .Net Core (C#) Rest API backend with MySQL database, ensuring 99.99% uptime and minimizing downtime. Leveraged AWS RDS, S3, SQS, and Google Cloud Compute to manage an ever-growing fleet of technology services.