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Professional Summary

Senior Full Stack Engineer with 8+ years of experience transforming enterprise systems through strategic architecture and optimization. A proven leader achieving rapid career progression (2 promotions in 4 years) through consistent high-impact work, who has **boosted revenue by 1.5%, slashed transfer time by 80%**, and **significantly enhanced user engagement (achieving up to 95%+ across projects and an 18% increase in customer retention)**. Eager to apply advanced full-stack capabilities to deliver impactful software solutions.

Relevant Experience

Senior Full Stack Engineer @ Adobe

June 2021 – Present

San Francisco, CA

- ▶ Engineered core ecommerce solutions for Generative AI assets, enabling merchandising and licensing which now accounts for 1.5% of total stock revenue. Updated Checkout API for real time content ID fetching via a centralized licensing module and GraphQL, ensuring seamless integration across all Stock 2.0 surfaces for upsell workflows.
- ▶ Spearheaded comprehensive modernization and redesign of customer checkout flow (frontend & backend), integrating new customer segments, diverse payment providers, and flexible sign-in. Implemented a streamlined, multi-step process with real-time validation and analytics, **boosting customer retention by 18% and overall conversion by 12%**.
- ▶ Streamlined Adobe Stock's checkout integration across web & desktop apps by developing a modular, self-contained commerce component system that encapsulates all licensing /purchasing functionality of Adobe Stock. This initiative **reduced new integration development effort by up to 83%** (from 10-30 points to <5 points) and eliminated duplicated configuration code (recognized with performance bonus for sustained high impact).
- ▶ Led modernization of Adobe Stock's Plans page to a dynamically rendered, accessible (100% WCAG 2.1 AA) platform via Franklin Headless Framework and Adobe Spectrum. Enabled rapid content updates and real-time pricing (GraphQL), **boosting GNARR by \$1.5M and reducing bounce rate by 3%**.

Front End Developer @ ManifestHQ, Inc.

May 2020 – May 2021

Chicago, IL

- ▶ Led development of a **responsive, mobile-first React.js web app** (TypeScript, Node.js, Styled Components) for 401k retirement funds transfers, **reducing transfer time by 80%**.
- ▶ Architected a reusable UI library (npm package, Storybook) with **80% test coverage** for the UI library and **40% for the client application**, ensuring consistency and maintainability.
- ▶ Established and managed continuous deployment pipelines from Bitbucket to AWS S3; **integrating React frontend with Spring Boot backend via secure REST APIs**.
- ▶ Translated business & user requirements into technical specifications through **collaboration with CTO and UX teams**, ensuring performant, secure & maintainable code.

Software Engineer @ IBM

March 2016 – July 2019

Bangalore, India

- ▶ Championed Agile Methodologies across full SDLC, crafting enterprise applications with **Microservices architecture and Object-Oriented design** in Python, Java, Node.js & Express.
- ▶ Pioneered innovative solutions, including a new web automation framework for a Telecom Client, **shortening testing time by 70%**.
- ▶ Authored a custom Data Management Tool using python & Java, **minimizing data validation time by 90%, resulting in faster project turnaround**.
- ▶ Architected and implemented comprehensive Unit, Regression, and Integration test scripts; engineered and maintained responsive UI features in React, HTML, and CSS.

Teaching & Mentorship

Project Reviewer & Classroom Mentor @ Udacity

February 2017 – July 2019

Bangalore, India

- ▶ Reviewed student projects for Udacity's Data Scientist Nanodegree; **mentored batches of 30 students, improving engagement and graduation rates**.

Skills

Languages: Python, JavaScript (ES6), TypeScript, HTML, CSS, PHP, Java, SQL

Frameworks & Tools: React, Express.js, Node.js, Redux, RTL, Jest, Enzyme, Cypress, Java Spring, Styled Components, Git, Firebase, AWS, GCP, Docker, CI/CD, GraphQL, Nginx, Webpack

Architectural concepts: Microservices, Distributed Systems, API Design (RESTful, GraphQL), Cloud Architecture, Scalability & Performance Optimization, Agile Methodologies, Test-Driven Development (TDD), System Design, Security Best Practices (OAuth 2.0, JWT)

Databases: PostgreSQL, NoSQL, MongoDB, Cassandra

Education

MS in CS (GPA: 3.6/4.0), Illinois Institute of Technology

July 2019 – July 2021

Chicago, IL

Projects

PrepAlgo - Intelligent Coding Practice Platform (prepalgo.com)

- ▶ Pioneered a sophisticated machine learning recommendation system with 5 adaptive strategies, continuously adjusting to user performance; established intelligent user classification algorithms (85%+ accuracy) via MongoDB aggregation pipelines across 40+ algorithm topics.
- ▶ Built a real-time analytics dashboard (Styled Components, React Hooks, Redux) with advanced data visualization, achieving 95%+ user engagement and 98% mobile compatibility.
- ▶ Designed and deployed scalable cloud infrastructure (GCP - Cloud Run, Cloud Build, Docker, Firebase, CI/CD, MongoDB Atlas); added secure user authentication using Google Login (OAuth 2.0) for seamless access; developed a comprehensive testing framework with 296+ automated test cases.

Achievements & Certifications

- ▶ Winner of **Hacktober 2021** - Code Platoon and Illinois Joining Forces (IJF).
- ▶ Earned **Machine Learning Engineer Nanodegree (Udacity)** with *Capstone* on Human Activity Recognition using deep learning models (LSTM, CNN) with 94.75% accuracy.