Justin Johnson

Senior Full-stack Software Engineer // Technical Lead

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Seasoned full-stack software engineer with over 10 years of hands-on experience developing, deploying, and managing scalable digital products. Demonstrated leadership in mentoring teams, collaborating across functions, and delivering high-quality projects on time. Extensive expertise in application and platform architecture, systems and component design.

Technical Skills

Languages: JavaScript, Python, TypeScript, GoLang, Rust

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, AWS RDS, Redis

Cloud & Infrastructure: AWS, Google Could, Vercel, Fly.io, Railway

Frameworks/Libs: Node JS, React, Remix.run, Next.JS, MobX, Redux, Tailwind CSS, GraphQL, Django, Express, Flask, Fastify

Development Practices: RESTful API design, code security, testing (unit, e2e), CI/CD automation via Docker and GitHub Actions

Methodologies: Agile Scrum, Code Reviews, Prototyping, Component Library Design

Certifications and Awards

- Technology Spotlight Award for exceptional contributions across projects at FOX CORPORATION.

Senior Software Engineer @ Los Angeles Distribution and Broadcasting (LADB)   Dec 2023 - Jul 2024

- Developed a full-stack SaaS web application/platform designed for video media upload, processing workflow jobs and media transcoding. Features included admin dashboard, subscriptions and payments, analytics, email marketing, notifications, onboarding, feature flags, cache and metrics.
- Built a custom AWS S3 bucket multipart file uploader optimized to handle large video files (2-5 GB), providing real-time progress updates and resumable uploads in case of connection failures.
- Designed a Workflow system allowing admin users to create and manage JSON templates with dynamic fields and real-time validation to submit jobs that are sent through SQS queue messaging system with notifications and DCP asset delivery.
- Wrote and integrated backend services to validate and store user inputs, ensuring the consistency and integrity of the data stored in PostgreSQL.
- Lead the entire project gathering requirements, documenting process, establishing meetings and communication channels.

Senior Software Engineer, OTT @ FOX CORPORATION   Feb 2023 – May 2023

- Mentored junior engineers, conducted code reviews, coded and provided guidance on best practices to improve overall code quality and maintainability. We used React.js, Next.js, Zustand, TypeScript and Tailwind CSS to build a robust component library for isolated component development using Storybook to re-write the legacy OTT apps used in all Fox tvOS, Samsung, Xbox, Vizio, FireTV, Comcast and Roku living room devices.
- Collaborated with cross-functional teams to prioritize and estimate user stories, contributing to the successful delivery of sprint goals.
- Actively participated in agile ceremonies, including daily stand-ups, sprint planning, and retrospective meetings, fostering a culture of transparency and continuous improvement.

Full-stack Software Engineer @ OLY.AI Inc.   Dec 2022 – March 2023

- Developed a Python-based CMS using Django for efficient user and client management with powerful ETL capabilities. Employed Docker and Docker Compose for scalable deployment of Rasa chatbot applications, including the configuration and deployment of the Rasa Platform action server.
- Implemented logging strategies in Rasa servers to enhance debugging capabilities. Automated key tasks through GitHub Actions, optimizing training runs by leveraging caching techniques.
- Uploaded trained models to Google Cloud Storage using a GCP service account, ensuring secure and efficient model management. Demonstrated proficiency in decoupling build and training processes using Docker, successfully deploying Rasa models as Docker containers for seamless scalability and operational efficiency.

Senior Technical Lead @ BLOCKCHAIN CREATIVE LABS / FOX CORPORATION   May 2022 – Nov 2022

- Led a team of engineers in developing blockchain-focused applications, integrating AWS Lambda (Architect), Terraform and Node.js (Fastify), leveraging Next.js with Tailwind CSS for a robust component library and enhanced documentation using Storybook and TypeScript.
- Personally developed an internal dashboard and services using React.js, Next.js, Tailwind CSS, Ethereum Web3 libraries and Node.js integrating Polygon and Ethereum blockchains ledgers and transactions within the dashboard, enabling efficient data filtering and easy downloading of CSV reports.
- Worked closely with the DevOps teams to streamline deployment processes through Docker configurations and GitHub workflow actions on top of FOX enterprise AWS infrastructure.
- Spearheaded API development and maintained comprehensive RESTful service documentation.

Senior Software Engineer @ FOX CORPORATION   Aug 2019 - May 2022

- Oversaw all production deployments for Fox.com and managed low-level deployment tasks using Jenkins, including the scripting and configuration of execution jobs.

- Actively supported Fox.com ahead of Super Bowl LIV, ensuring the site's stability during a record-breaking peak in concurrent views on game day. My contributions were instrumental in managing an unprecedented surge in traffic.

- Single-handedly transformed Fox's Second Screen Activation app from legacy PHP/jQuery/SASS to a modern React JS, Next JS system on AWS. This overhaul led to a 35-point NPS boost in Oct. 2021, fewer login issues, reduced costs, and achieved a key company OKR.

- Led the Fox Now live page EPG redesign, coordinating with stakeholders to transform product requirements into development tasks. Developed advanced React.js components, optimizing business logic and enhancing user experience.

- Mentored junior engineers on best practices in modern software design and development, helping to ensure a high level of quality in the features delivered to end users.

- Supported the hiring process by interviewing and screening dozens of software engineering candidates.

Senior Software Engineer, Front-end @ CLOVERS.AI   Jun 2021 - Dec 2021

- Collaborated with a cross-functional team to develop a feature-rich Zoom application, aligning it with the existing web application.

- Tools I used were React, TypeScript, Material UI, Redux, React Hook Form and Okta authentication for seamless integration and a consistent user experience.

- Successfully delivered the Zoom application within the specified deadline, receiving positive feedback from both internal stakeholders and end users.

Software Engineer @ WARNER BROS.   Jan 2018 - Jul 2019

- Led the re-platforming, development, and successful launch of www.wizardingworld.com using React, Apollo/GraphQL, Node, and Terraform.

- Utilized AWS infrastructure Lambda, S3, EC2, CloudFormation, Cognito, CloudFront, and DynamoDB to build services for development and production environments designed to scale to support millions of Harry Potter fans and user worldwide.

- Implemented unit tests to ensure code quality, UX/UI performance enhancements, and analytics tracking for actionable insights.

Front-end Web Developer @ ACTIVISION BLIZZARD   Jan 2017 - Dec 2018

- Re-platformed and built the new Activision Press Center from scratch into an optimized, responsive single web page resulting in yearly cost reductions of $200,000 for the company. (press.activision.com) using vanilla JavaScript, HTML and CSS.

- Executed major migration, conversion and restructuring of 15+ forum and blog stylesheet sets from Sass in Lithium into Less in AEM (Adobe Experience Manager) creating improved flexibility and site maintainability.

- Integrated applications with backend services, developing efficient API calls and managing data flow.

    - **React Native Mobile Engineer @ ACTIVISION BLIZZARD**   Feb 2018 - Oct 2018

        - Built Call of Duty companion mobile app for iOS and Android which reached 2 million downloads upon launch.

        - Directed in planning, architecture and structuring of reusable UI components and API services using React Native, Redux state management, CSS, and various third party JS libs.

        - Trained junior devs.

Front-end Web Developer @ REGENT EQUITY COMPANIES, LLC   Feb 2016 – Jan 2017

• Enhanced UI/UX of HistoryNet.com, driving a 195% increase in overall engagement and a 383% increase in time spent on the site.

• Implemented an improved site search feature, resulting in increased search volume, deeper searches and reduced exits. Developed and implemented front-end UI designs and functionality using modern technologies and tools.

• Deployed monetization solutions to top-performing pages, leading to a 158% revenue increase overnight and a 108% increase in web ad revenue in one month.

• Assisted in launching and maintaining a new e-commerce platform, resulting in a 305% increase in monthly sales and a 52% conversion rate improvement.

Front-end Web Developer @ LENMAR ENTERPRISES   Oct 2015 – Dec 2015

- Implemented mobile-first, responsive, cross-browser, cross-platform compatible interfaces and web pages for the company's new e-commerce website - www.lenmarled.com - and its product line.

- Utilized CSS3 animations and various JavaScript library components to enhance user interactions and functionality.

- Tested and optimized front-end assets and resources to ensure maximum performance across all web browsers, devices, and platforms.