

Justin Johnson

Senior Full-stack Software Engineer // Technical Lead

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I am a trustworthy, experienced full-stack senior software engineer with over 10 years of hands-on experience developing, deploying, and managing scalable digital products to millions of users. I have demonstrated leadership in mentoring teams, collaborating across functions, and delivering high-quality projects on time with extensive expertise in application and platform architecture, systems and component design.

Technical Skills

Languages: JavaScript, TypeScript, Python, GoLang, Rust, Elixir

Databases: Postgres, MySQL, DynamoDB, AWS RDS, Redis, Drizzle ORM, Prisma ORM

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

Frameworks/Libs: NestJS, Node, React, Remix.run, Next.js, Fastify, Django, Flask, Phoenix/Elixir (LiveView), LightningJS, D3.js, Three.js, MobX, Redux, Tailwind CSS, Shadcn, GraphQL, WebSocket, gRPC

AI & Automation: Cursor, ollama, n8n, OpenRouter, Hugging Face, Claude 3.5, Gemini 2.5

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**.

CEO / Founder @ Justyn Clark Network

Present - 2008

A modern consulting studio and multimedia production house delivering high-level software development, strategy, and creative solutions across industries.

- Built and managed Justyn Clark Network, an independent consultancy brand and dev studio providing senior-level software engineering services for startups, media brands, and enterprise clients.
- Delivered client solutions across web, mobile, and cloud platforms including full-stack app development, custom APIs, AI-driven automation, performance optimization, and scalable cloud infrastructure.
- Led development and launch of JustBeatz Music - **justbeatzmusic.com**, a robust feature rich streaming platform and admin dashboard blending creative tools, music discovery, and media management into a unique digital audio experience.
- Provided fractional CTO support to early-stage startups, helping teams validate product ideas, build MVPs, and establish tech roadmaps.
- Kept skills sharp and relevant between full-time corporate roles while maintaining creative autonomy and long-term client relationships.
- Projects have spanned entertainment tech, e-commerce, digital media, data scraping, SaaS platforms, and blockchain tools.

CTO / Co-Founder @ RentSpy

Sept 2024 - Feb 2025

- Co-founded RentSpy, a B2C rental data platform offering floor plan-level historical price trends, forecasting, and alerting.
- Engineered a nationwide web data collection pipeline **tracking daily price changes across 10,000+ apartment floor plans**.
- Designed and deployed scalable backend infrastructure with scraping services, structured storage, and a login-gated MVP using modern full-stack frameworks.
- Partnered with the CEO on pitch materials, accelerator applications, go-to-market planning, and financial modeling.
- Led engineering roadmap to scale product to 25K+ properties and 100K monthly users with data-driven SEO and targeted marketing.
- Developed a strong competitive moat by combining consumer advocacy, clean UX, and proprietary real-time rental price data.

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. Some features included admin dashboard with data charts, subscriptions and payments, analytics, email marketing, notifications, onboarding, feature flags, cache and metrics using **Remix.run/ReactJS**.
- 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 **ReactJS**, **NextJS**, **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 NodeJS (**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 **ReactJS**, **NextJS**, **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 refactored/re-platformed Fox's Second Screen Activation** app used in all Fox's tvOS, Samsung, Xbox, Vizio, FireTV, Comcast and Roku living room devices user login and auth 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 **ReactJS 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, NodeJS**, 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.

Lead Front-end Web Developer @ DREAM WARRIOR GROUP

July 2013 – Jan 2015

- Collaborated with a cross-functional team to develop websites, applications, and perform website makeovers using a proprietary CMS and **ticketing system**.
- Managed client interactions, overseeing multiple projects and maintaining site updates for long-term clients.
- Provided IT support, addressed technical issues, and created cross-platform compliant e-newsletters, reaching a wide audience. Utilized **HTML5, CSS3, JavaScript**, jQuery, **PHP, MySQL**, cPanel, Foundation & **Bootstrap CSS** Frameworks, **WordPress CMS, Joomla, Magento**, Constant Contact, MailChimp, Google Apps, and **Google Analytics**.