RAGHAV DHINGRA
SENIOR FULL STACK ENGINEER

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Professional Summary

Full-Stack Engineer with **5+ years** of experience working on **high-scale products** at top companies serving millions of users, as well as building **0-to-1 products** at early-stage startups. Skilled in **React**, **Next.js**, **TypeScript**, **Node.js**, and **cloud-native systems**. Proven track record in delivering fast, scalable, and user-focused applications with a strong bias for execution, product thinking, and innovation.

Technical Skills

Frontend: JavaScript, TypeScript, React.js, Next.js, Redux, TailwindCSS, HTML, CSS, Webpack
Backend & Cloud: Node.js, Express.js, Nest.js, Python, Django, Flask, SQL, MongoDB, PostgreSQL, Redis, AWS, GCP, Heroku
Dev Tools & Other: Git, Docker, REST APIs, WebSockets, CI/CD, Linux, Cypress, Selenium

Work Experience - View on LinkedIn

1. **Senior Software Engineer** at DarkHorse - Sports Analytics | **thedarkhorse.ai**   (Feb 2023 - Present)
   - Developed Full-stack **Analytics Platform** in **Next.js, Typescript, Redux and Node.js** deployed on **AWS Fargate** with **Docker**, enabling real-time performance insights and visualizations for soccer and basketball athletes.
   - Created a **TypeScript** library for smooth video streaming and in-browser editing of highlights, **reducing backend processing time by 90%** and **lowering infrastructure costs by over 70%**.
   - Built a real-time messaging feature using **AWS Lambda**, **API Gateway**, **Redis**, and **WebSockets**, enabling athlete-scout communication and **increasing recruitment conversion by 15%**.
   - Led integration of **AI-generated performance metrics** and integrated performance stats with **Redis** and **Meilisearch**, enabling fast retrieval, scalable storage, and intuitive video overlays and visualizations across the analytics platform.

2. **Full Stack Engineer** at Quillbot | **quillbot.com**   (Aug 2022 - Feb 2023)
   - Engineered the Quillbot Chrome Extension using **React**, **Typescript**, **Webpack**, **Redux**, and advanced **observers** patterns, significantly improving performance, reducing load times, and enhancing user engagement for **4M+ users**.
   - Integrated real-time **AI paraphrasing** and grammar-check APIs with dynamic **input detection** and text overlays, enabling fast, context-aware writing assistance through underlines and hoverable tooltips.
   - Improved extension performance and UI by implementing lazy loading, code splitting, Redux optimization to reduce re-renders, and redesigning popups and toolbar, achieving faster load times, higher usability and user engagement.

3. **Software Engineer** at BlueStacks | **bluestacks.com**   (Feb 2021 - Dec 2021)
   - Built a real-time music player dashboard for Fredboat using **Next.js**, **TypeScript**, **Redux** and **Websockets**, enabling users to search, queue, and control audio synced with Discord voice channels for **30M+ users**.
   - Implemented interactive game commands in **Node.js** and **Discord.js** for Piggy.gg feature, implementing interactive RPG commands and responses for **6M+ users** across global servers.
   - Built responsive, **reusable UI components** for Piggy Dashboard in **React.js** and **SCSS**, and integrated **Redis** caching with **Nest.js** APIs for fast, scalable NFT transactions and user data retrieval.

Education

- B.Tech in Computer Science and Engineering   (Aug 2018 - May 2022)
  Indraprastha University, New Delhi   CGPA: **9.2**
- Senior Secondary, CBSE AISSCE   (May 2016 - May 2018)
  St. Mary's convent Sr. Sec. school, Panipat   Percentage: **92.8%**

Personal Project Highlight

- BlotUp | **blotup.com**   (Sept 2023 - Nov 2024)
  Created a bug tracking solution comprising a Chrome extension for fast issue reporting and a web platform with real-time collaboration and deep integrations (Jira, GitHub, Trello) to streamline debugging workflows.
  Tech Stack: **React**, **TypeScript**, **Next.js**, **Node.js**, **AWS Lambda**, **API Gateway, AWS EC2**, **WebSockets**, **TailwindCSS**, **MongoDB**
- Linux based Portfolio - WebOS | **raghavdhingra.com**   (Apr 2020 - Jul 2020)
  Built a Linux-inspired web-based operating system portfolio with interactive apps like terminal, file system, browser, and settings—designed to showcase technical depth and creativity, attracting 200+ daily unique users.
  Tech Stack: **React.js**, **Javascript**, **Redux**, **CSS/Sass**, **Python**, **Django**, **AWS Amplify, AWS EC2**

Leadership and Awards

- Delivered **21+ tech talks** at global events, with **50K+ total views**   (Since 2019)
- Finalist, **Google Code-In 2017** – OpenMRS   (2017 - 2018)
- Won **8+ hackathons,** including **Microsoft IncubateIND Hackathon**, **NASA Space Apps Challenge**,   (Since 2018)
  Solve4Bharat by PAN-IIT (github.com/raghavdhingra/hackathons)
- Community Leader at **Google Developer Clubs**, **Microsoft Learn Ambassador**, **Postman Leader**, and   (2020 - 2021)
  Google Cloud Mentor