Denver, CO
arnavaggrwl@gmail.com

Arnav Aggarwal

github.com/arnav-aggarwal
linkedin.com/in/arnavaggarwal
medium.com/@arnav_aggarwal

Summary

Senior Software Engineer with expertise in modern web development using JavaScript, React, and Node.js. Proven track record of building scalable backend services, responsive user interfaces, and seamless API integrations. Experienced in working with AI technologies, including the OpenAI API.

Professional Experience

Technical Content Creator | *Self-Employed*

Step Up Your JS: A Comprehensive Guide to Intermediate JavaScript | *tinyurl.com/3nfj8pu8*   2022 - 2025
- Developed an extensive course covering key JavaScript concepts such as closures, asynchronous programming, OOP, functional programming, inheritance, IIFEs, and Array/Object methods
- Lessons have been featured as editor's picks on Medium.com and Codementor.io, accumulating millions of views

Introduction to JavaScript: First Steps | *tinyurl.com/2tn9ua2n*   2022 - 2025
- Created a free course covering JavaScript fundamentals, including operators, functions, arrays, objects, and loops
- Authored 44 lessons totaling over 25,000 words and 250 working code snippets, reaching 30,000 users by 2025

Master the Javascript Interview | *tinyurl.com/b22dn9c4*   2023 - 2025
- Published a course covering key computer science concepts related to data manipulation and processing, as well as time and space complexity optimization

Shift Lead | *Sweet Cow*   2024 - 2025
- Managed daily operations, ensuring efficient workflow and exceptional customer service standards
- Supervised and trained employees, delegating tasks and providing support as Manager on Duty

Advanced Coders – AI Trainer | *Outlier AI*   2024
- Meticulously reviewed, summarized, and compared hundreds of artificial intelligence responses in terms of quality, API usage, and user query fulfillment, providing detailed written justifications

Web Developer II | *The Humane League*   2021 - 22
- Developed customer-facing applications used by millions worldwide, emphasizing efficient and scalable development practices
- Improved code review and documentation processes, reducing production bugs by 50% and streamlining project documentation
- Implemented a CMS to enable non-engineering staff to create web pages, reducing launch time from multiple days to under one day

Senior Software Engineer I | *PeopleConnect*   2019 - 21
Full Stack Software Engineer | *PeopleConnect*   2017 - 19
- Led A/B tests that improved conversion rates by 10%, generating millions in additional annual revenue
- Spearheaded a team to develop a secure authentication UI for internal use
- Built a real-time traffic monitoring UI for 10 sites using React, Node.js, and WebSockets
- Integrated APIs using Golang to enhance data quality, leading to increased customer retention and a better product experience

Full Stack Engineering Instructor | *UC San Diego Extension*   2017
- Served as a TA for an intensive software engineering boot camp, delivering lectures and mentoring students in JavaScript, HTML, CSS, Bootstrap, jQuery, Ajax, Node.js/Express, SQL/NoSQL databases, REST APIs, and React

Education

University of California, San Diego | *B.S. Bioengineering: Biotechnology, Cum Laude; engineering leadership scholar*   2016