

HARDEEP SINGH

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SUMMARY

Computer Science professional with hands-on experience building and deploying full stack web applications using Java, Python, JavaScript, TypeScript, React, Node.js, MongoDB, PostgreSQL, MySQL, PHP, AngularJS, and AWS. Strong background in software engineering, frontend and backend development, cloud deployment and machine learning, with a passion for building reliable and user-focused applications

SKILLS

•Java •Python •JavaScript/TypeScript •SQL •PHP •C/C++ •React •Next.js •Angular •Node.js •Express.js •PHP •HTML5 •CSS3 •PostgreSQL •MongoDB •MySQL •Front-End Development •Web Design •REST APIs •Back-End Development •AWS (EC2, S3, Route 53) •Docker •Nginx •Vercel •Linux •Maven •Data Structures •Algorithms •Object-Oriented Programming •Web Applications •Web Architecture •Agile Development •JWT •OAuth •Passport.js •SSL/TLS •Git •GraphQL •WebSockets •MVC

PROFESSIONAL EXPERIENCE

Fitness Coach | August 2022– June 2026

- Coached 3-10 clients per week on exercise technique, strength training, and fitness programming.
- Developed individualized training plans based on client goals, performance metrics, and progress tracking.
- Demonstrated strong verbal communication skills, attention to detail, and problem solving skills while helping clients achieve fitness goals such as strength, rep or VO2 max increases.
- Built long-term client relationships through accountability, coaching, and organizational planning.

TLC Driver | July 2017– June 2026

- Provided transportation services while managing scheduling and customer service responsibilities throughout New York City.
- Demonstrated excellent verbal communication and organizational skills while serving diverse customers.
- Applied problem-solving and independent decision-making skills in a fast-paced environment.

PROJECTS

Assist — Training & Performance Platform

Technologies: Next.js, React, TypeScript, PostgreSQL, Prisma, Docker, OAuth, S3-Compatible Object Storage, OpenAI API

- Architected and shipped a full-stack training platform with relational domain modeling for programs, workout occurrences, exercise prescriptions, performed sets, training references, and longitudinal performance history.
- Engineered a secure media pipeline with presigned direct-to-object-storage uploads, signed playback, authenticated authorization, browser-generated thumbnails, concurrent-upload controls, metadata persistence, and deletion/reconciliation workflows.
- Designed production-oriented backend workflows with owner-scoped authorization, database constraints, transactional persistence, idempotent operations, state-machine resource lifecycles, server-side validation, and concurrency safeguards.
- Built an AI-assisted structured-data ingestion pipeline using multimodal LLM interpretation to transform workout screenshots into validated application-domain entities with schema enforcement, human review, and atomic persistence.
- Developed automated coverage across UI, domain logic, database, storage, authentication, and integration boundaries, with production-build validation and migration workflows.

Machine Learning Loan Decision Support System

Technologies: Python, Scikit-learn, Pandas, NumPy

- Built an end-to-end classification pipeline on historical lending data, including preprocessing, feature engineering, model training, and evaluation.
- Analyzed borrower attributes and lending patterns to identify predictive features and support data-driven loan approval recommendations.
- Evaluated model performance using validation techniques and classification metrics, translating results into stakeholder-focused recommendations.

JPMorgan Chase Software Engineering Job simulation (Forage)

Technologies: Java, Spring Boot, Kafka, Spring Data JPA, H2, Maven

- Built a Spring Boot microservice that processed Kafka transaction events.
- Implemented transaction validation and persistence using Spring Data JPA and an H2 relational database.
- Developed a REST endpoint for querying account balances and verified functionality through automated Maven tests.

EDUCATION

Western Governors University (WGU)

Bachelor of Science, Computer Science

Graduated June 2026

CERTIFICATIONS

AWS Certified Cloud Practitioner

Linux Essentials (LPI)

ITIL Foundation

AWS Certified Solutions Architect – Associate (Planned)