Yuvraj Singh Bhadoria

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SKILLS

Languages: C/C++, Go, Java, JavaScript, TypeScript, Python, SQL
Frameworks & Libraries: ExpressJS, ReactJS, Next.js, Redux, Tanstack Query, LangChain, LangGraph
Databases: PostgreSQL, MySQL, Redis
Infrastructure & Tools: AWS, Docker, GitHub, Postman

WORK EXPERIENCE

ContextJet.ai, Bangalore   July 2025 - Present
Founding Engineer

- Built a suite of AI tools for an accounting company, including an AI-SDR CRM that automated personalized email outreach for high-profile leads using LangChain, with secure authentication and email workflows powered by Aurinko OAuth.
- Developed a perfume e-commerce data pipeline scraping Fragrantica and YouTube with fallback logic for reliable data ingestion.
- Built a Flask + PostgreSQL backend and a desktop analytics dashboard (React + Vite + TypeScript, Electron) with custom authentication and Redis-backed refresh-token caching.

Sanjhikala, Bhopal   Feb 2025 - July 2025
Freelance Fullstack Developer

- Developed a dashboard and billing system for online as well as offline store to manage orders and customers that increased monthly service speed by 23% .
- Implemented sales analysis that helped in reducing inventory-related costs by 40%.
- Built and maintained frontend and backend features using React, Go, and PostgreSQL

EDUCATION

SRMIST Chennai   Aug 2020 - June 2024
B.Tech. in Computer Science and Engineering   *CGPA: 9.04/10*

OPEN SOURCE CONTRIBUTIONS

Kubernetes   Active Contributor
Core Repository Contribution

- Contributing to the Kubernetes core repository with a focus on resource quantity parsing and numeric boundary handling in apimachinery.
- Investigated edge cases around large integer values and overflow behavior, and proposed changes to improve correctness and long term maintainability.
- Added and refined unit tests to validate boundary conditions and ensure consistent behavior across quantity parsing paths.
- Engaged in maintainer review discussions covering numeric precision limits, dependency choices, and API design trade-offs, and iterated on the implementation based on feedback.

INDEPENDENT PROJECTS

Gearforge   Independent Project

- Built and deployed a web platform using Next.js, React, and TypeScript with an Express backend, PostgreSQL as the primary database, and Redis for access and refresh token caching.
- Implemented tournament scheduling logic using binary tree structures with queue based level order insertion and applied database indexing and referential integrity rules to maintain consistency.