

Chirag Chandrashekar

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SUMMARY

Full-Stack Developer experienced in building scalable SaaS and data-driven platforms using React, Node.js, and Spring Boot. Strong background in backend optimization, CI/CD automation, and cloud deployment (GCP, Netlify, Render). Passionate about creating performant, secure, and user-centric web systems that drive measurable business impact.

SKILLS

Full-Stack: React, Next.js, Node.js, Express, Spring Boot, Flask

Languages: Python, Java, TypeScript, SQL

Version Control & Databases: Git, SQL Server, PostgreSQL, MongoDB, MySQL, Neon, Supabase.

Tools & Platforms: Docker, ServiceNow, HP ALM, Medidata Rave.

Data Analysis & Visualization: Pandas, BeautifulSoup, Matplotlib, Seaborn, Plotly.

PROFESSIONAL EXPERIENCE

Glenysys Technologies Inc

Illinois, USA

Software Developer

10/2024 – Present

- Built and deployed a Warehouse Management System (WMS) using Spring Boot and PostgreSQL on GCP, improving operational efficiency by 40% and cutting manual processing time by 25%. [**Java, Spring Boot, PostgreSQL, GCP**]
- Collaborated in building a full-stack Product Management platform using React, Vite, Chakra UI, Zustand, and Framer Motion to deliver a responsive UI with dark/light mode, animations, and seamless CRUD operations. [**React, Chakra UI, Zustand, Framer Motion, Vite**]
- Engineered and deployed the backend using Node.js, Express 5, MongoDB Atlas, and Mongoose, exposing secure REST APIs with CORS support, implemented environment-based configurations, and deployed services on Render and Netlify for production readiness. [**Express 5, MongoDB Atlas, Mongoose, CORS, REST API's, Render, Netlify**]

Accenture

Bangalore, India

Data Analyst

10/2019 – 07/2022

- Optimized data pipelines and validation workflows in Medidata Rave by redesigning ETL processes, improving query efficiency, and automating data quality checks, which reduced discrepancies by 15% over 14 months. [**Medidata Rave**]
- Engineered and deployed a secure microservice using Python and REST APIs to aggregate, validate, and standardize clinical trial data from multiple external sources, enhancing scalability, reliability, and regulatory compliance. [**Python**]
- Designed and executed 280+ automated test cases in HP ALM, integrated them with CI/CD pipelines, and achieved 90% bug detection coverage, which reduced regression issues. [**HP ALM, CI/CD Pipeline**]

PROJECTS

Volunteering Management Page

Web App developed to integrate user authentication, event browsing, and event signup.

- Built a full-stack web application using React, Flask, and PostgreSQL with user authentication, event registration, and real-time participation tracking. Deployed it on Heroku and containerized it with Docker for consistent development and deployment environments. [**React, Flask, PostgreSQL, Heroku, Docker**]
- Automated web scraping of volunteer events using Python and BeautifulSoup every four hours, which ensured accurate, up-to-date scheduling and improved operational efficiency. [**Python, BeautifulSoup**]
- Designed a SQL-based data analysis pipeline that evaluated volunteer participation and event trends, optimized database operations, and supported data-driven strategic planning. [**SQL**]

Team Pressing Project: Premier League Analysis

Prediction module to predict injuries and goals per game in Premier League games

- Analyzed soccer team pressing metrics with Python and Pandas, revealing patterns in defensive intensity and ball recovery strategies through advanced statistics. [**Python, Pandas**]
- Created interactive visualizations using Matplotlib, Seaborn, and Plotly, including heatmaps and pressure-zone maps to communicate team and player performance insights. [**Matplotlib, Seaborn, Plotly**]
- Developed custom metrics like Pressing Intensity (PPDA) and predictive models using scikit-learn and PCA to assess team effectiveness in match-event data. [**PPDA, scikit-learn, PCA**]

EDUCATION

University of Colorado Boulder

Boulder, CO

Master's in Electrical Engineering (LINCD), CGPA: 3.88/4.0

08/2022 – 05/2024

BMS College of Engineering

Bangalore, IN

Electronics and Communication Engineering, CGPA: 8.2/10

08/2015 – 05/2019