Shri Kant Singh

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Summary

Senior Software Engineer with 6.5 years of experience building end-to-end backend systems in Node.js, FastAPI, and PostgreSQL. Designed and maintained production systems for subscription management, event-driven workflows, and internal tooling. Strong expertise in debugging, scaling, and reliability engineering. Mentor to junior engineers and advocate for clean, maintainable code.

Experience

2.) Str8bat   Bangalore, India
Software Developer   *Sept, 2020 - Present*

Overview: Responsible for backend engineering for an IoT-based cricket analytics platform, designing and maintaining production systems for player management, sensor data workflows, subscription handling, and AI-driven cricket shot analysis. Lead reliability, scaling, and infrastructure improvements while mentoring junior engineers and collaborating with the CEO on product and system design.

Key Contributions:

- Designed and built the core backend covering authentication, player management, sessions, subscriptions, and sensor data workflows.
- Developed AI integrations and pipelines powering cricket shot analysis.
- Built **GetBetter**, a coaching session booking platform (Razorpay, Stripe).
- Created internal Admin Dashboard for operations, support, and stakeholders.
- **Reliability, Scaling & Infrastructure:** Resolved PostgreSQL connection exhaustion outages; implemented connection pooling, memory monitoring, indexing, dead-session cleanup, and query optimizations. Built Docker-based deployment flows, automated frontend deployments, integrated AWS services (EC2, RDS, SQS, CloudWatch), and added Sentry for production visibility.
- **Leadership:** Mentor interns and junior engineers; Lead code reviews and design discussions; collaborate with CEO on product and system design.

Tech: Node.js, FastAPI, Django, React, Redux, PostgreSQL, Knex, LangChain, LLMs, RAG pipelines, Vector Databases, AWS (EC2, RDS, SQS), Docker, CloudWatch, Sentry

1.) Delinno   Gurgaon, India
Software Developer   *Feb, 2019 - May, 2020*

- **Digital CSR Platform**
  Responsibilites: Add new features, fix bugs, refactor existing code to improve code quality, and refactor mobile app UI by removing antd mobile and using antd so that it looks good on the desktop as well as on mobile platforms.
  Tech: Node, Express, React, AntDesign, Less, Redux Loop, PostgreSQL, Knex.

- **Online Fitness Course Platform**
  Responsibilites: Started the project from scratch, Led a team of 3, flesh out tasks/features for the team members, review code to maintain consistency, and quality code.
  Tech: Python, Django, React, MaterialUI, Redux Loop.

- **Online Survey Platform**
  Responsibilites: I was a part of a small team and worked on to bump up the React version of the

existing custom component library which was used for admin and user app, Porting survey dashboard app from Backbone to React.
Tech: Python, Django, React, Backbone, Redux Loop.

- **Gym CRM**
  Responsibilites: Enforce Eslint in the project, GitLabs CI Setup, fix bugs, write API tests, and add new features requested by the client.
  Tech: Python, Django, React, AntDesign, Redux Thunk.

Tech: Node.js, Django, React, Ant Design, Redux, PostgreSQL.

Skills

Frontend: React, Redux, JavaScript
Backend: Node.js, FastAPI, Django
Database: PostgreSQL, Knex.js, Query Optimization, Indexing
AI/ML Tools: LangChain, LLMs, RAG (Retrieval-Augmented Generation) pipelines
DevOps/Infra: Docker, AWS EC2/RDS/SQS, CI/CD, CloudWatch
Tools: Git, Sentry, Vim, LaTeX

Education

SGTB Khalsa College, University of Delhi Delhi, India
B.Tech in Computer Science *Aug, 2013 - Aug, 2017*