Gurpreet Kamboj

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SUMMARY

GenAI expert and Fullstack developer with 5+ years of experience, skilled in Python, FastAPI, Flask, Dash, PostgreSQL, React, TypeScript, JavaScript, AWS and other modern web frameworks. Specialised in developing scalable applications in test-driven environments, combining problem-solving skills with a collaborative approach to deliver high-quality products.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, NoSQL.
Web Frameworks: FastAPI, Flask, Tornado, Dash, React, Angular, Material UI, Tailwind CSS.
Cloud: AWS, DigitalOcean, Azure, GCP.
Other: PostgreSQL, MongoDB, Redis, Docker, Linux/Unix, Git.

EXPERIENCE

Senior Full Stack Developer - ConnectWise, LLC   Oct 2022 - Present
Unified Billing Intake(UBI) & Unite | Python, FastAPI, PostgreSQL, React, Docker, AWS

- **Led the greenfield development** of two key projects: UBI and Unite, a set of sophisticated cloud based interfaces for MSPs and TSPs for end to end visibility and unification of usage information ingested from different services and to automate client billing workflows.
- **Built data aggregation pipelines** to consolidate usage and billing information from multiple sources (Microsoft, IBM, Bitdefender, ConnectWise etc.) ensuring high data accuracy and reliability.
- **Engineered concurrent API and database operations** optimizing performance and reducing processing time for external services and database calls by up to 10x.
- **Designed scalable database schemas** and wrote migration scripts using PostgreSQL and SQLAlchemy, supporting complex billing reconciliation and vendor configuration workflows.
- **Engineered performant systems** by integrating Redis for caching and Docker for containerization, while optimising database queries for efficient data retrieval and scalability.
- **Developed responsive UI components** with React and Redux, creating reusable component libraries that significantly reduced development time by 20 percent through reusable React components and user experience.

Full Stack Developer - Quantiphi Analytics   July 2020 - Oct 2022
EJF Capital & Sunlife Insurance | Python, Tornado, PostgreSQL, Angular, Redis, AWS

- **Designed and developed** set of 3 applications acting as interfaces for data upload, redaction, normalization, claim submission, grouping and valuation.
- **Developed reusable shared function libraries** to eliminate code duplication and centralize business logic and schema changes across different applications.
- **Implemented data validation and quality assurance processes** to ensure the accuracy and reliability of claims metrics.
- **Authored and maintained detailed documentation** for database changes, environment setup, and service interfaces to support team onboarding and knowledge transfer.

CERTIFICATIONS

- AWS Certified Developer Associate 🔗
- GCP Associate Cloud Engineer 🔗

EDUCATION

Savitribai Phule Pune University (SPPU)   June 2016 – July 2020
B.E. in Computer Engineering   *Army Institute of Technology, Pune - 411015*