Harshal Panpaliya

551-327-0473 | Hoboken, NJ | hppanpaliya@gmail.com | linkedin.com/in/harshal-p/

SUMMARY

Full-Stack Software Engineer with around 5 years of experience building scalable and modular applications. Specialized in Node.js, React, Next.js, Python, HTML5/CSS3, and responsive UI development. Experienced in microservices architectures, extension development, and CI/CD automation. Thrive in fast-paced, collaborative and agile environments.

EXPERIENCE

Python Full-Stack Developer | AdventHealth, New York, NY   **Jan 2025 - Sept 2025**

- Engineered a **Python** (**FastAPI**, **Django**) and **React** based cloud-native custody and portfolio data management platform, leveraging **PostgreSQL** and **MySQL Server** for financial data storage and compliance reporting.
- Built RESTful APIs with **OAuth** authentication, ensuring full compliance with industry privacy and security standards.
- Leveraged **Redis** and **Kafka** for event-driven communication between services, and **React**, **Redux**, **D3.js**, **FastAPI** building real-time dashboard visualizations that reduced system latency by 30%.

Full-Stack Developer | Marlabs, Piscataway, NJ   **Feb 2024 - Jan 2025**

- Designed and deployed a high-availability financial services platform using **React**, **TypeScript**, **Node.js**, **PostgreSQL**, and **MongoDB**, optimizing **APIs** and database queries for secure and scalable client transactions.
- Integrated Server-Sent Events (**SSE**) and **Socket.io** and optimized **SQL Server** queries, indexes, and data fetching strategies, reducing over-fetching by 40% and improving real-time interactions.
- Implemented containerization with **Docker** and CI/CD automation via **GitHub Actions** for seamless deployments.

Full-Stack Developer | Datalekt (Startup), Pune   **Nov 2020 - Dec 2021**

- Developed a prototype multi-tenant SaaS platform for hospitality businesses with modular microservices using **Node.js**, **TypeScript**, **React.js**, **Redux**, **PostgreSQL**, **MongoDB**, **Redis** and **BullMQ**.
- Built secure, role-based access control features (**RBAC**) and **GDPR**-compliant data handling processes for privacy-focused deployments.
- Developed containerized deployment strategy using **Docker** and **Kubernetes**, enabling both cloud-hosted and on-premises implementations across **AWS** and **GCP**.

Full-Stack Developer | Creative Core, Pune   **Jan 2019 - Oct 2020**

- Developed and optimized e-commerce web applications using **React, Redux, Redis** and **RESTful APIs**, optimizing backend **SQL** queries to improve application performance and data retrieval speed by 20%.
- Integrated **Kafka**-based event streaming within the **Python** microservices architecture with **MSSQL** data persistence to track user activity, powering real-time analytics dashboards and improving system scalability.

EDUCATION

Stevens Institute of Technology

Master of Science - Computer Science   **Jan 2024**

Savitribai Phule Pune University

Bachelor of Engineering - Computer Engineering   **Dec 2019**

SKILLS

Languages: TypeScript, JavaScript, Python, Java, C#, Rust, PHP, Bash
Frontend: React.js, Next.js, Redux, Angular, Tailwind CSS, Material UI, Bootstrap, Framer Motion, HTML5/CSS3
Backend & APIs: Node.js, GraphQL, Express, Django, Flask, Spring Boot, WebSocket, REST API, JSON, XML
Cloud & DevOps: Docker, Kubernetes, Terraform, Git, Bitbucket, GitHub Actions, Jenkins, JIRA
Databases & Big Data: PostgreSQL, MySQL, MongoDB, Oracle, ElasticSearch, Redis, Spark, Airflow, Redshift
Testing & Security: Jest, Cypress, Playwright, Mocha, TDD, OAuth2, JWT, SAML, SSO, Passport.js
Cloud & AI: AWS, GCP, Azure, Oracle, OpenAI API, Transformers, LangChain, LLM, RAG, Pinecone, PyTorch

PROJECTS

AI & ChatGPT Trend Analysis on Reddit and 4chan   **Jul 2023 - Dec 2023**

- Built a real-time data pipeline using **Python**, **Airflow**, **Apache Spark**, and **AWS** (EC2, S3) to ingest and process over 2M posts/comments, enabling AI-sentiment trend forecasting.

Walmart Invoice Exporter   **May 2023 - Present**

- Developed and published a **JavaScript** Chrome extension plugin on the Chrome Web Store that enables Walmart users to export order histories to Excel, achieving 1,000+ active installs.