Praharsh R Dubey

Software Engineer | Full-Stack Developer | Python & React Specialist
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Professional Summary

Results-oriented **Software Engineer** with over **3 years** of experience in developing scalable **web applications**, **REST APIs**, and **cloud-native solutions**. Proficient in **React.js**, **Node.js**, and **Python**, with expertise in **AWS (EC2, S3, RDS)** and **database design**. Proven track record in collaborating with cross-functional teams to deliver robust and customer-centric products. Passionate about developing user-friendly tools, leveraging customer feedback, and ensuring high application reliability through rigorous testing.

Core Skills & Technologies

Frontend	React.js, Next.js, Tailwind CSS, Bootstrap, Material UI
Backend	Node.js, Django, FastAPI, REST API Development
Languages	Python (Advanced), JavaScript (ES6+), Java
Databases	MySQL, PostgreSQL, NoSQL (Firestore), Vector DB (ChromaDB)
Cloud & DevOps	AWS (EC2, S3, RDS), Google Cloud (Vertex AI), Firebase, Docker
Testing Tools	Cypress, Jest, Pytest, JUnit, Playwright, Postman
Software Practices	Agile, Scrum, CI/CD Pipelines, System Design, Distributed Systems
Other Tools	Git, JIRA, Trello, Tableau, Power BI

Work Experience

ScaleHub Marketing   **Remote, United Kingdom**
Technology Consultant   January 2024 – Present

- **Developed predictive analytics models** to optimize marketing strategies, increasing **customer acquisition rates by 25%**.
- Created **real-time dashboards** using **Tableau** and **Power BI**, reducing reporting time by **40%**.
- Managed **AWS cloud infrastructure (EC2, S3, RDS)** to ensure seamless deployment and optimized performance.
- **Designed machine learning models** for customer churn prediction, reducing **customer attrition by 12%** through proactive engagement strategies.
- Designed and implemented **ETL pipelines** for data integration from **Google Ads**, **Facebook**, and **CRM systems**, improving data accuracy by **35%**.

Reality AI Lab   **Remote, United Kingdom**
Software Developer Intern   July 2024 – October 2024

- Developed a **Generative AI-powered chat interface**, integrating **OpenAI API** for contextual conversations in **Scottish accent**.
- Engineered **real-time NLP pipelines** with **LangChain & ChromaDB**, optimizing response times by **30%**.
- Collaborated with cross-functional teams to design and deploy **RESTful APIs** using **Node.js** and **Express.js**, ensuring scalability and maintainability.
- Deployed AI workflows on **Google Cloud Vertex AI**, ensuring seamless cloud-based scalability.

Zummit Infolabs   **Bengaluru, India**
Project Management Lead/Scrum Master   August 2021 – May 2022

- Led a team of 10 in developing an **AI API Marketplace** hosting **45+ ML models**, attracting **new investors & clients**.
- Spearheaded migration to **FastAPI**, improving backend performance and reducing latency by **10%**.
- Delivered **AI-powered financial analytics dashboards** using **Python** and **NLP**, enhancing client reporting and decision-making.
- Facilitated Agile ceremonies and managed project lifecycles, ensuring **100% on-time delivery**.

Golcha Group Pvt. Ltd.   **Jaipur, India**
IoT Developer Intern   December 2020 – July 2021
- Designed an **automated fuel tracking system** using Python-based **ETL pipelines** for financial reporting.
- Developed **data analytics dashboards** to visualize fuel usage trends with **Pandas & Matplotlib**.
- Engineered a highly accurate LiDAR system, **cutting operational costs** by **20%** with **Open3D**, **Python and NumPy**.

Key Projects

Gemini Quizify | *Python, LangChain, ChromaDB, Streamlit, Google Cloud* | Project Link   September 2024
- Built a **RAG-based Generative AI** system that creates quizzes from PDFs, reducing manual content generation by **80%**.
- Leveraged **ChromaDB** for embedding storage and **Google Cloud Vertex AI** to optimize LLM processing.

ExpenSense | *Django, HTML, CSS, JavaScript, PostgreSQL, AJAX* | Project Link   June 2023 – August 2023
- Developed a **full-stack financial analytics platform** to streamline SME expense, reducing manual processing time by **60%**.
- Integrated **OCR and ML algorithms** for fraud detection and implemented secure **REST APIs** with **Django**.

Simplify: E-Learning Platform | *Python, Django, SQLite* | Project Link   January, 2023 – March, 2023
- Developed a scalable **Django ORM-based** e-learning platform with **role-based authentication** and **RESTful APIs**.
- Managed a **4-member team** following **Agile/Scrum**, delivering on-time and within scope.

Duelyst2: Tactical Card Game Backend | *Java* | Project Link   January 2023 – March 2023
- Designed and implemented **server-side game logic** for a **real-time tactical card game**, including semi-intelligent AI opponents.
- Led a **five-member development team**, overseeing **code reviews, debugging, and sprint planning**.

Education

University of Glasgow   **Glasgow, United Kingdom**
MSc in Information Technology (Merit)   2022 – 2023
Thesis: ExpenSense, an automated expense management application for Small and Medium-Scale Enterprises.

Manipal University Jaipur   **Jaipur, India**
B.Tech in Electronics & Communication Engineering (CGPA 7.81/10)   2016 – 2020
Thesis: Designed a reliable geographic routing protocol for Cognitive Vehicular Ad-hoc Networks.

Achievements

- **2nd Place** – SAS Automation Challenge, CODE OLYMPICS 2023 (50 participants)
- **Leadership Award** – Zummit Infolabs (2021)
- **Led 50-member TEDx Team** – Manipal University Jaipur (9/10 satisfaction score)
- **General Secretary**, Electronics Club – Increased enrollment by **30%**
- **Merit Holder** – High School Examination (2014)

Professional Interests

Artificial Intelligence, Generative AI, Cloud Computing, Full-Stack Development, Automotives, Formula 1