Piyush Barhanpurkar

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WORK EXPERIENCE

Software Development Engineer　　　　　　　　　　　　　　　　　*Jio Platforms Limited, Navi Mumbai*
Jan 2024 – Present

- **Led backend development** for **8+ scalable microservices projects** using **Java, Spring Boot, MySQL, AWS S3**—reduced latency and improved **system reliability by 25%**.
- Leveraged secure **authentication modules (JWT, HTTPS)**, reducing unauthorized access incidents by **30%**.
- **Optimized refund processes** by building a return order API with payment reversal, decreasing **refund time by 40%**.
- Integrated payment gateway into inventory system, reducing **payment failures by 35%** and increasing conversion rates.
- **Boosted user engagement and reduced API response times** by structuring backend logic with efficient streak and activity tracking modules, leveraging Java's **multithreading and caching** techniques to improve performance.
- Ensured **80%** code coverage with unit and integration tests,using JUnit and Mokito, maintaining high code quality.
- **Replaced Excel-based tracking** with an interactive performance management system, enhancing **efficiency for 50+ users**.
- Automated real-time and historical **analytics dashboards**, reducing manual reporting overhead by **40%**.

Full-Stack Developer　　　　　　　　　　　　　　　　　　　　*Edify Accelerators (Remote)*
Jun 2020 – Apr 2021

- Deployed a chatbot for **1,000+ monthly users**, increasing user engagement by **35%**.
- **Streamlined backend architecture** and optimized database operations to ensure **100% uptime** in production.
- Collaborated with cross-functional teams to deliver project milestones ahead of schedule.

PROJECTS

Share-Prompts — Live Link

- Built a **scalable full-stack app** with **Next.js, Google OAuth, MongoDB Atlas**; leveraged **SSR and REST APIs** for quick content delivery.
- Implemented secure user authentication and CRUD features for a robust user experience.

AI Powered Research Assistant (Chrome Extension) — GitHub Repo

- Developed a Chrome side panel extension to **summarize selected text using an AI backend**, streamlining the research process for users using the Gemini model flash-1.5.
- Integrated **Chrome's scripting, storage, and side panel APIs** with a Spring Boot summarization service hosted locally.
- Enabled local note-taking with persistent storage using **Chrome Storage API**, ensuring a smooth user experience.

SKILLS

Languages: Java, JavaScript, C++
Frameworks: Spring Boot, Spring Security, Spring Data JPA, Express.js
Databases: MySQL, SQL, MongoDB (Atlas)
Cloud & DevOps: AWS S3, Docker
Architecture: REST APIs, Microservices, UML Design
Tools: JWT, HTTPS, Apache Kafka, Postman, MySQL Workbench

LEADERSHIP & RESPONSIBILITIES

- **Webmaster – ACM & ISTE**
  - Led technical workshops and managed infrastructure for events with **100+ attendees**.

EDUCATION

Bachelor of Engineering in Information Technology　　　　　　　　　　　　　　*Pune University*
2019 – 2023