Ayush Garg

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Professional Summary

Results-oriented software engineer with a strong foundation in high-performance payment solutions and distributed systems. Skilled in developing scalable solutions, improving payment frameworks, and solving complex problems. Expertise in back-end technologies, cloud infrastructure, and microservices. Dedicated to improving efficiency and customer satisfaction through effective and reliable systems.

Technical Skills

- **Languages**: Java, Python, Django, Rust, Haskell, JavaScript, C/C++
- **Databases**: PostgreSQL, SQL, Redis
- **Version Control**: Git, GitHub, GitLab, Bitbucket
- **Technologies**: AWS, Azure, Microservices, Distributed Systems, Kibana, Jenkins, BigQuery, Apache Kafka, Elasticsearch, REST
- **Soft Skills**: Leadership, Collaboration, Problem solving, Agile Methodologies, Team management

Experience

Juspay Technologies   Jul 2022 – Present

Software Development Engineer, Bengaluru, India

- **Merchant-Centric Features Development**: Designed and implemented features including URL Shortener, Split Settlement, Split Payment, TPV (Third-Party Verification), Webhook and Refund Auto retries, simplifying fund settlement for 20+ merchants, including Indigo and IRCTC. Resulted in a 15-18% increase in merchant adoption.
- **Authentication Flow Implementation**: Developed authentication flows, including Click-To-Pay, Cloud Token Framework, and Secure Card on File, to enhance security and improve payment experiences. Onboarded merchants such as Lenskart and BigBasket, driving a 3-4% increase in transaction volume.
- **System Architecture**: Engineered a scalable orchestration framework to mitigate external API downtime, improving service continuity by reducing downtime impact by 28-30%.
- **Complex Problem Resolution**: Addressed challenges like floating-point inaccuracies, race conditions, and concurrent API request handling, enhancing stability and reducing errors by 10%.

Juspay Technologies   Oct 2021 – Jun 2022

Software Engineer Intern, Bengaluru, India

- **Code Refactoring**: Refactored core flows (Refund, Transaction Sync), leading to a 45% improvement in code efficiency, improving code readability, maintainability, and reducing task completion time for team members.
- **Logging and Monitoring Enhancements**: Redesigned logging frameworks for internal alerts, A/B testing notifications, and performance metrics; improved system observability, leading to faster resolution of issues impacting production environments with minimal downtime reported monthly.
- **Deployment And Production Support**: Engaged directly with performance monitoring tools after deployment, allowing for rapid diagnosis and corrective actions on live systems, achieving an average reduction in unplanned outages—approximately eight incidents per quarter.

Celebal Technologies   Nov 2020 – May 2021

Software Engineer Intern, Bengaluru, India

- **Data Warehousing Application Enhancement**: Improved automation tasks like file uploading, cloud migration, and format conversion, reducing manual work by 20%.
- **Intern Management Backend Development**: Led the development and maintenance of an Intern Management system using Django REST Framework and Azure App Service, enabling automated email updates for mentors on intern progress.

Personal Projects

- **Log Pipeline**: Developed an innovative Log Pipeline for efficient log collection, storage, and real-time analysis with alert generation. Enabled the creation of 5+ types of graphs and metrics for effective data visualization and insights.
- **Social E-commerce**: Built a social e-commerce platform enabling users to buy, sell, and search products seamlessly. Integrated features supporting 100+ products and 200+ user interactions like likes, shares, and comments for enhanced engagement.

Education

Swami Keshvanand Institute of Technology   2018-2022
Bachelor Of Technology In Computer Science and Engineering (SGPA: 8.82 / 10.00)   *Rajasthan, India*