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PRIYA LORHA

Lead Software Developer

Professional Experience

Lead Software Engineer (2024-2025)

Adyogi | Gurugram

- Strengthened backend security posture by implementing automated key rotation, encrypted credential storage, and secure API access controls, significantly reducing the risk of data breaches and unauthorized access.
- Refactored legacy codebase into a modular, well-documented architecture, adopting SOLID principles and consistent naming conventions, which reduced onboarding time for new developers and cut code review time by 20%, while decreasing production bugs by 10%.
- Designed and launched a real-time, rule-based notification system that delivered proactive alerts to stakeholders, improving issue response times by 35% and increasing overall operational uptime
- Led the end-to-end design and development of scalable data pipelines and ETL workflows to ingest, normalize, and aggregate ad spend data from multiple third-party sources, enabling the generation of comprehensive performance dashboards for clients across diverse verticals.
- Built and deployed real-time, data-driven tools and APIs that empowered clients to optimize ad strategies, improve campaign targeting, and increase ROI by up to 25%, based on actionable insights.

Technical Skills

- Languages: Java (11+), Python, Ruby, SQL, Bash
- Frameworks & Libraries: Spring Boot, Hibernate, Flask, Django, JPA, Mockito, JUnit
- API Development: RESTful APIs, Swagger/OpenAPI, API versioning
- Databases: PostgreSQL, MySQL, MongoDB, Redis; schema design, indexing, query optimization
- System Design: Scalable and distributed systems, microservices, event-driven architecture (Kafka)
- DevOps & Cloud: AWS (EC2, S3, RDS, Lambda, IAM), Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins)
- Testing & Quality: TDD, unit/integration/contract testing, testable code practices
- Monitoring & Observability: Prometheus, Grafana, ELK stack, OpenTelemetry
- Version Control: Git, GitHub/GitLab workflows
- Security: OAuth2, JWT, HTTPS, API security best practices
- Collaboration & Leadership: Agile/Scrum, code reviews, mentoring, cross-functional teamwork, incident response

Education

Bachelor of Technology

Computer Science & Engineering
2011-2015

Neotia Institute of Technology,
Management and Science
West Bengal University of Technology

Professional Experience

Senior Software Engineer (2021–2024)

Freshworks | Chennai

- Designed and implemented a robust notification system that significantly improved user engagement and ensured timely communication during system incidents and scheduled maintenance windows.
- Developed high-performance, well-documented RESTful APIs, reducing integration turnaround time by 30%, while improving test coverage from 85% to 100% through the use of caching strategies, detailed logging, and observability best practices.
- Enhanced debugging efficiency by 25% by incorporating distributed tracing and structured logs, enabling faster root cause analysis and reduced mean time to resolution (MTTR).
- Played a key role in infrastructure planning and setup, including database schema design, migration workflows, and scalable API architecture; contributed to the creation of monitoring systems, alert mechanisms, and operational dashboards that improved system reliability and transparency.

Senior Software Engineer (2020–2021)

Siply | Bangalore

- Led the end-to-end development and rollout of the Mutual Funds feature, integrating caching strategies and optimizing complex SQL queries, which reduced API response times by approximately 15% and enhanced overall system performance.
- Engineered a solution that cut fund transfer feedback latency from 3 days to just 3 hours, drastically improving the user experience and boosting customer satisfaction.
- Defined and maintained API contracts in alignment with frontend and mobile teams, streamlining cross-team collaboration and increasing overall engineering throughput by 15–20%.
- Contributed to infrastructure cost optimization efforts, including database query tuning and resource usage analysis, helping reduce cloud expenditure without compromising performance or reliability.

Professional Experience

Software Engineer (2018–2020)

Datasigns Technologies | Bangalore

- Architected and developed a suite of microservices APIs for a new lending product, driving a 10% uplift in revenue through faster feature delivery and improved service reliability.
- Built an interactive Dash-based analytics dashboard to visualize key metrics—income, delinquencies, and conversion rates—empowering cross-functional teams to set data-driven targets and accelerating decision cycles by 30%.
- Engineered a serverless microservice using AWS Lambda, SQS, and SNS to automate loan record synchronization with the credit bureau, cutting manual error rates by 90% and reducing developer workload by 15%.
- Designed end-to-end moratorium data management services, from customer data ingestion and secure storage to eNach collection orchestration, ensuring 100% compliance readiness and streamlining operational workflows.
- Implemented robust CI/CD pipelines and event-driven infrastructure, leveraging Terraform, GitHub Actions, MongoDB change streams, and CloudFront triggers to boost deployment frequency by 40% and slash mean time to recovery (MTTR) by 30%.

Senior Systems Engineer (2015–2017)

Infosys | Hyderabad

- Oversaw the administration of Windows/Linux servers and Active Directory environments, ensuring ≥99.9% uptime, strict access controls, and seamless authentication for 1,000+ users.
- Developed and deployed PowerShell and Bash automation scripts to handle routine maintenance—user provisioning, patching, and backups—boosting team productivity by 15% and saving over 10 hours of manual work per week.
- Architected a proactive monitoring and alerting framework (using Nagios/Prometheus/CloudWatch), triggering real-time notifications on system anomalies and reducing unplanned downtime by 40%.