Ankit Kumar Srivastava

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Work Experience

Zeta Tech(Directi)

Software Development Engineer — *Mar 2025 – Present*

- Optimized transaction processing workflows, reducing API response times for critical financial operations by 30% and ensuring seamless payment processing.
- Designed scalable microservices for payment authorization, reconciliation, and settlement, reducing operational overhead by 40%.
- Engineered secure data pipelines compliant with PCI-DSS, encrypting 20M+ cardholder records and fortifying data transmission protocols, thereby reducing potential data breaches by an estimated 15%.
- Reduced reconciliation time for batch settlements from 6 hours to 2 hours, optimizing financial workflows and improving transaction visibility.
- Enhanced real-time transaction processing using Kafka, reducing processing latency by 20% and ensuring fault-tolerant event-driven architectures.
- Devised caching strategies (Redis) and query optimizations, leading to a 35% reduction in database load and improved response times.
- Optimized Kubernetes clusters and containerized microservices, improving resource allocation efficiency and reducing infrastructure costs by 20%.
- Developed custom payment routing logic, optimizing transaction costs and improving success rates by 15%.
- Orchestrated advanced logging and monitoring with the ELK stack, resulting in real-time visibility of 100% of financial transactions and ensured adherence to all regulatory compliance standards.

Netcore Cloud

Software Engineer — *Feb 2023 – Mar 2025*

- Led microservices development, enhancing system scalability and reducing downtime by 40%.
- Enhanced database queries through algorithmic adjustments, leading to a significant 30% improvement in overall application performance and responsiveness for end users interacting with the system.
- Built and automated CI/CD pipelines using Jenkins and GitHub Actions, reducing deployment times by 50%.
- Developed robust RESTful APIs that streamlined data exchange between internal systems and third-party services, enhancing system integration speed by 25% and improving overall application functionality.
- Integrated OAuth 2.0 with existing infrastructure to establish secure user sessions through JWT tokens; increased login efficiency by reducing average authentication time from five seconds to two seconds across the platform.
- Reduced latency by 20% through performance tuning and load balancing.

ZScaler

Software Engineer Intern — *Jan 2022 – Aug 2022*

- Crafted strategic test plans with over 100 individual scenarios resulting in reduced rework time post-release which improved product stability metrics through rigorous validation processes ensuring high-quality deliverables before deployment.
- Engineered robust encryption methods for data transmission that fortified network security, achieving a 99% success rate in safeguarding sensitive information and facilitating secure communication for over 200 active users within the organization.
- Spearheaded the migration of critical legacy systems to a cloud infrastructure, ensuring minimal downtime and improving system access speed by 40%, enhancing productivity for over 100 end-users.
- Conducted thorough code reviews for 15+ development projects, identifying bugs and improving overall code quality; implemented best practices that led to a noticeable decrease in post-deployment issues.

Coding Ninjas

Teaching Assistant — *Jul 2021 – Jan 2022*

- Resolved over 500 student queries and evaluated 25 web development projects.
- Delivered targeted instruction sessions focusing exclusively on responsive design strategies for mobile-first websites which enabled participating developers to implement changes leading up to five successful project launches shortly afterward.
- Instructed students on best practices for efficient code writing and maintenance, resulting in more student project completion rates; enabled at least 15 participants each term to achieve cleaner outputs.

Achievements

- Secured a top-tier position with an impressive rank of 954 among global participants at Google Code Jam, showcasing advanced skills to navigate intricate algorithmic challenges within demanding deadlines and progress through successive phases.
- Achieved global ranks of 2296, 1314 and 594 in Google Kick Start 2021 Rounds C, D, and E, respectively.
- Completed four major contributions under the framework of Hacktoberfest 2020; collaborated directly with repository maintainers on bug fixes leading to reduced issue backlog from approximately fifty unresolved problems down to ten.
- Attained a notable rank within the top one percent by placing 94th worldwide during the highly challenging Credit Suisse Global Coding Challenge, reflecting strong technical acumen amidst fierce competition from over ten thousand coders.
- Ranked 780th in Codeforces Round 720 (Div. 2) and 402nd in Round 728 (Div. 2).
- Reached an impressive highest ranking on Codeforces with a score of 1816, showcasing consistent performance in algorithmic challenges that emphasize strong analytical capabilities among peers globally.
- Earned prestigious certification as an Infosys Certified Software Programmer via a competitive examination; distinguished performance validated against over 10,000 global candidates underscored substantial depth of expertise and skillset in software programming.

Education

Galgotias College Of Engineering And Technology UP, Greater Noida, India

Bachelor of Technology in Computer Science, Secured an aggregate of 8.76 CGPA. *Aug 2018 – July 2022*

Skills

- **Programming Languages:** Java, Go, Python, C/C++, JavaScript, PHP, C#
- **Frameworks:** Spring Boot, Gin, Flask, Django, Express.js, Node.js, React.js, AngularJS, Google Guice
- **Cloud & DevOps:** AWS, Docker, Kubernetes, Terraform, Helm, ArgoCD, Git, CI/CD, Istio
- **Data Engineering & Messaging:** Apache Kafka, RabbitMQ, Amazon SQS, Apache Airflow, Apache Flink, Apache Spark, DBT, Snowflake
- **Databases & Search:** PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, Vertica DB
- **Observability & Security:** ELK Stack, Prometheus, Grafana, OpenTelemetry, OAuth 2.0, JWT, RBAC, Snyk, SonarQube
- **Software Engineering:** Distributed Systems, Microservices, Event-Driven Architecture, REST APIs, System Design (HLD/LLD), Multithreading, OOP, Design Patterns, Computer Networks, Linux, Camunda BPMN
- **AI & Productivity:** Cursor IDE, MCP, AI Agents, Prompt Engineering, LLM Applications, AI-assisted Development

Coding Profile

Codechef HackerEarth Leetcode
Codeforces GEEKSFORGEEKS HackerRank