

Ramya Kata

Software Developer

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SUMMARY

Software Developer with 4 years of experience in designing and developing high-performance web applications using Java (Spring Boot, Hibernate) and Node.js. Proficient in building scalable backend services, optimizing APIs, and ensuring system reliability in microservices environments. Skilled in full-stack development with React.js, TypeScript, and RESTful APIs, achieving a 30% increase in application efficiency and a 25% improvement in response time. Experienced in cloud-native development with AWS and Azure, delivering scalable solutions and reducing system downtime by 35%. Strong in automating CI/CD pipelines with GitHub Actions, Jenkins, and Docker, cutting release times by 40%. Adept in database management (PostgreSQL, MySQL, MongoDB, DynamoDB), optimizing query performance, and reducing data retrieval time by 50%. Focused on continuous improvement in Agile environments, driving faster feature delivery and enhancing overall development workflows.

EDUCATION

Master of Science in Computer Science Aug 2022 – May 2024 | New Paltz, NY
State University of New York at New Paltz

SKILLS

Programming & Frameworks: Java, Spring Boot, Hibernate, Python, Node.js, Express.js, FastAPI, RESTful APIs, Microservices
Web Development & Frontend: JavaScript, TypeScript, React.js, HTML5, CSS3, Tailwind CSS, UI/UX Integration, Responsive Design
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, API Gateway), Azure (App Services, Functions), Docker, Kubernetes, Terraform, Jenkins, CI/CD
Databases & Data Management: MySQL, PostgreSQL, MongoDB, Redis, SQL Optimization, Data Modeling
Software Development & Tools: Git, GitHub, Maven, Linux/Unix Scripting
Security & API Management: OAuth2, JWT, RBAC, Postman, Swagger, OpenAPI
Testing & Performance: JUnit, Mockito, Cypress, Selenium, Load Testing
Agile & Collaboration: Agile (Scrum/Kanban), JIRA, Code Reviews, Sprint Planning

PROFESSIONAL EXPERIENCE

Wipro Dec 2023 – Present | NY, Hybrid
Software Engineer

- Developed and optimized scalable backend services using Spring Boot and Hibernate, enabling seamless integration with microservices and reducing processing time by 30%. This resulted in improved system efficiency and faster response times for end-users.
- Architected and implemented RESTful APIs leveraging Spring Boot, improving data handling efficiency and supporting over 400K concurrent users without performance degradation. This optimization decreased response time by 25%, ensuring smooth interaction even during peak traffic.
- Enhanced system reliability by refactoring legacy codebases and implementing Spring Security to enforce security measures, reducing unauthorized access attempts by 40%. This improved data protection and ensured compliance with industry security standards.
- Utilized Apache Kafka for real-time data streaming, allowing for low-latency communication between services. This integration increased data processing speed by 20%, enabling faster decision-making and improving customer-facing application responsiveness.
- Led the migration of monolithic applications to a microservices architecture using Spring Cloud, significantly improving system scalability and reducing system downtimes by 35%. This transformation made the application more resilient to failures, leading to a 30% increase in uptime.
- Engineered and deployed scalable cloud solutions using Azure Kubernetes Service (AKS) and Azure Functions, reducing infrastructure costs by 25%. This integration enabled auto-scaling during high traffic, ensuring optimal resource utilization and continuous availability.
- Automated deployment processes by integrating Jenkins with Docker and Kubernetes, streamlining CI/CD pipelines and reducing release times by 40%. This enhancement allowed for faster iteration and more frequent feature updates, accelerating time-to-market.

Accenture Apr 2021 – Jul 2022 | India
Software Developer

- Designed and optimized backend systems using Node.js and Express.js, developing scalable RESTful APIs and GraphQL endpoints. These improvements supported over 500K active users and reduced response times by 30%, ensuring a highly responsive and reliable user experience.
- Re-architected the microservices infrastructure using Docker and Kubernetes, implementing automatic scaling to optimize system performance under high user loads. This change enabled the platform to handle twice the number of concurrent users, improving system stability and reducing latency.
- Enhanced database performance by optimizing complex queries and refining indexing techniques in PostgreSQL and MySQL, which reduced query execution time by 35%. This optimization resulted in faster data access, contributing to a more seamless user experience during high-traffic periods.
- Automated ETL pipelines using Python and FastAPI, processing millions of records daily and reducing manual data handling time by 60%. This freed up data engineers to focus on more strategic tasks, improving overall productivity and efficiency of the team.
- Implemented cloud-based solutions using AWS (Lambda, EC2, S3), increasing system scalability and availability by 40%. These improvements ensured business continuity and minimized downtime, even during periods of heavy traffic or system failures.
- Integrated advanced security protocols (OAuth2, JWT) to enhance user authentication, reducing unauthorized access attempts by 40%. These measures ensured secure data transmission and compliance with international data protection regulations, protecting sensitive user information.
- Optimized the software delivery pipeline by implementing CI/CD workflows with Jenkins, GitHub Actions, and AWS CodePipeline. This resulted in a 40% reduction in deployment time, streamlining the release process and increasing the frequency of software updates.
- Led initiatives to improve test automation using Jest and Cypress, increasing test coverage by 50%. This contributed to a 30% reduction in production bugs by catching potential issues early, ensuring a more stable and reliable production environment.

Accenture Jan 2020 – Mar 2021 | India
Junior Software Developer

- Spearheaded the design and development of responsive web interfaces using React.js, HTML, CSS, and JavaScript, enhancing page load speed by 30%. This optimization improved user retention by 25%, driving higher engagement and overall customer satisfaction due to smoother interactions.
- Engineered and fine-tuned high-performance RESTful APIs with Node.js and Express.js, enabling backend support for over 500K active users. Boosted API response times by 25%, ensuring efficient user interactions during peak hours, and enhancing overall system reliability under heavy load.
- Collaborated with cross-functional Agile teams to design and implement new features within short sprint cycles, improving delivery speed by 20%. This collaborative approach led to a more adaptable development environment, ensuring rapid response to changing business needs and requirements.
- Automated critical data workflows using Python and AWS Lambda, integrating disparate data sources and reducing manual processing by 50%. This streamlined the data pipeline, improving the accuracy, timeliness, and efficiency of data delivery for real-time decision-making.
- Integrated AWS cloud infrastructure (Lambda, EC2, S3) to scale systems, resulting in a 35% increase in service availability. This ensured improved system stability and an uninterrupted user experience, even during periods of high demand or unforeseen system outages.
- Managed initiatives to enhance team productivity and communication by managing sprint retrospectives, daily stand-ups, and task prioritization, driving a 15% increase in team velocity. This facilitated smoother feature delivery, reduced friction, and improved collaboration across teams.