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| |  | | --- | | Profile | | Senior Software Engineer | | |  | | --- | | Skills  Agile methodology  Amazon EC2  Amazon EKS  Apache Kafka  AWS  Caching  CICD  Cloud computing  CSS  Database  Docker  Elasticsearch  GitHub  GitLab  Grafana  Hibernate  HTML  Java  JavaScript  Jenkins  Kubernetes  Microservices  OAuth  Problem solving  Prometheus  React.js  REST  REST API's  Software development  Splunk  Spring  Spring Boot  Spring MVC  Spring Security  Swagger |  |  | | --- | | Job  Senior Software Engineer |  |  | | --- | | EducationHRJ#94 93dffa-a2be-4d2e-982b-80b7f9d889d 6#Bachelor of Engineering - Computer Science & Engineering, Biju Patnaik University of Technology (BPUT) | |

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| Professional Experience   |  |  | | --- | --- | |  | | |  | Senior Software Engineer | Capgemini Technology Services  November 2021 – current   * Client: Royal Bank of Canada (RBC) * Project: Wealth Management(ROADTOCLOUD) * ROAD is a web-based application designed to track physical security certificates. Initially  developed to meet the needs of RBC's operations and alternative investment group, it has  since undergone multiple upgrades to stay current with evolving technology and user  requirements. Today, it supports approximately 75 users within the organization. * There were a growing number of non-compliance issues related to its legacy nature, and  concerns were raised about platform flexibility. As a result, both the business and IT decided  to identify this application as a candidate for modernization, as part of the US Wealth  Management's security and robustness program. The objective of the project was to migrate the application to a modern cloud platform, upgrade its technology stack and address all  existing concerns. * We embarked on a remarkable journey of end-to-end development of the ROAD legacy  application. By harnessing the power of Spring Boot microservices and React, we successfully  modernized the entire system while delivering unparalleled efficiency and user experience. * Designed and developed RESTful APIs and Graph QL endpoints to facilitate efficient data  exchange between React-based front-end applications and backend microservices. Ensured  API consistency, scalability, and high-quality documentation by implementing Open API  specifications and utilizing Swagger. Optimized API performance and maintained clean,  scalable code to support seamless integration and long-term maintainability. * Implemented robust security measures using Spring Security, integrating OAuth2 with JWT,  and experienced with SAML/Open id Connect, ensuring compliance with financial industry  standards and safeguarding sensitive client data. * Implemented decoupled, resilient systems using messaging queues like Apache Kafka and  Rabbit mq, enhancing system responsiveness, Audit, and asynchronous processing  capabilities. * Designed, built, and maintained end-to-end CI/CD pipelines using Jenkins, GitLab CI/CD, and  GitHub Actions. Automated build, comprehensive testing (JUnit 5), security scanning (soar,  OWASP Dependency-Check), and deployment processes across multiple environments. * Configured and utilized monitoring tools like Prometheus and Grafana for real-time insights  into application performance and system health. Implemented logging solutions using Splunk,  Fluent Bit. * Provided technical guidance, conducted code reviews, facilitated pair programming, and  mentored junior developers, fostering a culture of high code quality, collaboration, and  continuous learning. * Key technologies : Java, Spring Boot, Microservices, REST, Spring Security, OAuth2, JWT,  Apache Kafka, Cassandra, Redis, AWS (EKS, EC2, S3, IAM), Docker, Kubernetes, Terraform,  Jenkins, GitHub Actions, Prometheus, Grafana. | |  | | |  | | |  | Senior Software Engineer | WIPRO Technology  March 2018 – September 2021   * Contributed significantly as a Senior Developer to an automated network operations platform  that streamlined commissioning and management of network equipment (routers, switches),  replacing manual workflows to drastically reduce errors and operational time. * Designed and built the backend microservices architecture using Spring Boot, deploying  containerized applications on AWS; developed robust REST APIs capable of handling highvolume  network configuration requests. * Modernized network device management practices by implementing standardized  configuration models, transitioning away from manual CLI commands towards more reliable,  automated processes. * Enhanced application responsiveness and performance through strategic caching  implementations and database query optimization. * Established robust CI/CD pipelines enabling frequent and reliable feature delivery;  implemented comprehensive monitoring and logging solutions for rapid identification and  resolution of production issues. * Enabled automated provisioning capabilities, directly supporting transition towards nextgeneration  network architectures. * Led an Agile development team, coordinating sprint activities to ensure on-schedule delivery of  quality features, and improved incident response processes for faster issue resolution. * Reduced average provisioning time by over 65%, improving deployment speed and operational  efficiency across multiple network teams. | |  | | |  | | |  | Senior Software Engineer | Ascendum Solutions  November 2017 – January 2018  WORK EXPERIENCE Senior Developer | Client: Volvo Trucks Project: Diagnostic Trouble Codes (DTC) Management System   * Served as a Senior Developer on Volvo's global diagnostic platform, enhancing the automation  of fault code interpretation and troubleshooting workflows. * Designed and architected the system's core using a microservices approach with Java/Spring  Boot and Hibernate, deployed in Docker containers orchestrated by Kubernetes (AWS EKS &  Azure AKS). * Developed REST APIs to ensure seamless data exchange between the new platform and legacy  vehicle ECU/dealer systems; utilized Graph QL for complex diagnostic data queries. * Optimized system performance via database query tuning and caching implementations;  established CI/CD pipelines with automated testing to enable frequent and reliable production  releases. * Integrated key technologies including Kafka for real-time truck telemetry streaming (engine  RPM, fault codes), Elasticsearch for enhanced logging and diagnostics visualization, and  robust OAuth2/JWT security (AWS KMS signed) alongside role-based access controls. * Deployed the multi-cloud solution across AWS (EC2, Lambda, S3) and Azure (Functions, Blob  Storage) to ensure high scalability and meet EU data residency regulations. * Contributed to the development of predictive diagnostics features and utilized AWS IoT Green  grass for specific on-board vehicle data processing tasks. * Collaborated within the Agile team, translating requirements into technical solutions and  creating comprehensive documentation and training materials for engineering teams. * Key technologies: Java, Spring Boot, Hibernate, Microservices, Docker, Kubernetes, RESTful  APIs, Caching, CI/CD, Automated Testing, Logging, Monitoring. | |  | | |  | | |  | Senior Software Engineer | Quess Corp  September 2016 – September 2017  Client: West Corporation (WEST)   * Project: Meridian Data Provisioning System * Developed a multilingual intranet application that significantly enhanced global data  provisioning capabilities and internal collaboration. * Designed and implemented a scalable, fault-tolerant microservices architecture using Spring  Boot and React, ensuring high application availability. * Developed secure and efficient RESTful APIs with Spring Boot for reliable data exchange  between microservices. * Built responsive, dynamic front-end interfaces using front end technology to improve user  interaction and streamline data delivery across global * Collaborated effectively with both technical and non-technical stakeholders to translate  complex business needs into actionable technical specifications. * Contributed to operational stability by resolving production issues and implementing  necessary fixes and improvements. * Implemented JWT-based authentication across microservices to safeguard sensitive  emergency communication data and user credentials. * Optimized database performance for high-volume transactions by designing effective  PostgreSQL schemas and implementing proper indexing and query tuning. * Established a clear API versioning strategy to maintain backward compatibility throughout  system upgrades and feature rollouts. * Developed an automated testing framework using JUnit , achieving 85% code coverage for  critical microservices and enhancing code quality. Key technology: Java, Spring Boot, Microservices, REST API, Hibernate, Oracle, PostgreSQL, Elasticsearch, JWT, JUnit. | |  | |   Additional skills  **Technical:** AWS, caching, CICD, cloud computing, database, microservices, REST, software development, application performance management, back-end development, cloud application platform, code quality, code review, coverage testing, data exchange, data processing, data querying, data storage, data transmission, database tuning, fault tolerance, front-end development, identity and access management, intranet, legacy system, log, network administration, network architecture, network configuration, network equipment, network routing, OWASP, software versioning, switch, system integration, system upgrade, test automation, web application  **Functional:** problem solving, access control, agile development, audit, coaching, collaboration, computer science, conformity control, coordination, customer interaction management, design-to-cost, incident management, management system, physical security, training materials, user experience, user requirements, wealth management  **Business software:** OWASP Dependency-Check  **Methods:** Agile methodology, Pair programming  **Tools:** Elasticsearch, GitHub, GitLab, Grafana, Jenkins, Kubernetes, Prometheus, Swagger, API, AWS IoT, Fluent Bit, HashiCorp Terraform, RPM  **Programming languages:** CSS, HTML, Java, JavaScript, S3 programming  **Frameworks:** Hibernate, React.js, Spring, Spring Boot, Spring MVC, Spring Security, JUnit, JWT  **Databases:** Apache Cassandra, MySQL, PostgreSQL, Redis  **Platforms:** Amazon EC2, Amazon EKS, Apache Kafka, Docker, Splunk, AWS Key Management Service, Microsoft Azure, Microsoft Azure Functions, Microsoft Azure Kubernetes Service, Microsoft Exchange Server, RabbitMQ  **Protocols:** OAuth, REST API's, SAML |