**Gagandeep Singh**

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**Work Authorization: EAD (Visa Sponsorship Not Required) | Availability: Immediate**

**career summary:**

* Over 8 years of experience in web application analysis, design, development, and deployment, with a strong focus on backend and full-stack development using Python, JavaScript, and Java.
* Expertise in developing scalable and high-performance applications using Python (Flask, Django), JavaScript (Node.js, React, Angular), and Java (Spring Boot, Hibernate).
* Strong experience in database management, working with SQL databases like PostgreSQL, MySQL, and Oracle, ensuring optimized queries and secure data transactions.
* Extensive experience with cloud technologies, including AWS, Azure, and Google Cloud, designing cloud-based architectures and optimizing infrastructure through Terraform and CloudFormation.
* Proven track record in microservices development, RESTful API design, and system integrations using modern frameworks and tools.
* Proficient in implementing DevOps pipelines, automating CI/CD workflows using Jenkins, GitHub Actions, and Docker/Kubernetes.
* Strong background in Agile methodologies, serving as a Scrum Master and leading cross-functional teams to deliver successful projects on time.
* Experienced in managing full software development lifecycle (SDLC), technical project management, and overseeing architecture design for enterprise applications.
* Expertise in designing secure authentication mechanisms using OAuth2, JWT, and role-based access controls.
* Skilled in troubleshooting and optimizing application performance, leveraging logging tools like ELK stack and Splunk.
* Excellent problem-solving, analytical, and communication skills, with a proven ability to mentor teams and enforce best coding practices.

**Technical summary:**

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| Languages: | Python, JavaScript (Node.js, React, Angular), Java, SQL |
| Backend Technologies | Flask, Django, Express.js, Spring Boot, Hibernate, JDBC |
| Frontend Technologies | React, Angular, HTML, CSS, JavaScript, Bootstrap |
| Cloud & DevOps:  | AWS (Lambda, EC2, S3, RDS, IAM), Azure, Google Cloud, Docker, Kubernetes, Terraform, CloudFormation, Jenkins, GitHub Actions |
| Databases:  | PostgreSQL, MySQL, Oracle, SQL |
| Microservices & API Development:  | RESTful APIs, GraphQL, OAuth2, JWT |
| Architectural Knowledge:  | Monolithic to Microservices migration, Scalable System Design, SOA |
| Project Management & Agile: | Scrum Master, Agile (Scrum, Kanban), JIRA, Confluence |
| Version Control: | Git, SVN |
| Testing & Debugging:  | JUnit, Selenium, Log4J, ELK Stack, Splunk |
| Tools & IDEs:  | Eclipse, VS Code, PyCharm, IntelliJ IDEA |
| Operating Systems  | Windows, Mac OS, Linux/UNIX |

**Professional experience:**

**Client: Richard & Rice Const, Deerfield Beach, FL Oct 2023 – Feb 2025**

**Full Stack Developer | Responsibilities:**

* Led software development projects utilizing Python, JavaScript, and Java, ensuring efficient coding practices and system performance.
* Performed Scrum Master duties, facilitating Agile ceremonies, sprint planning, retrospectives, and cross-team collaboration to enhance productivity.
* Managed project timelines, resources, and deliverables, ensuring alignment with business objectives and technology roadmaps.
* Designed and implemented scalable system architectures, integrating various technologies and frameworks.
* Developed RESTful APIs and backend services using Python (Flask/Django) and JavaScript (Node.js/Express.js).
* Integrated SQL databases (MySQL, PostgreSQL) for data storage, retrieval, and optimization, ensuring high availability and security.
* Oversaw migration and integration of third-party applications, ensuring seamless functionality across platforms.
* Implemented front-end solutions using JavaScript frameworks (React, Angular) and optimized UI/UX for better user engagement.
* Designed and maintained CI/CD pipelines for automated deployments, leveraging tools such as Jenkins, GitHub Actions, and Docker.
* Provided technical leadership in designing microservices-based architectures, ensuring system modularity and maintainability.
* Conducted code reviews, enforced best practices, and mentored team members to enhance software quality and team capability.
* Ensured security compliance and implemented authentication mechanisms using OAuth2, JWT, and role-based access controls.
* Created and maintained documentation for system architecture, APIs, and development processes.
* Monitored application performance using logging tools (ELK stack, Splunk) and troubleshooting production issues efficiently.
* Designed and implemented cloud-based solutions using AWS, Azure, and Google Cloud Platform (GCP) for scalability and performance.
* Leveraged cloud-native services such as AWS Lambda, EC2, S3, RDS, and Kubernetes for optimized deployments and resource management.
* Ensured cloud security by implementing IAM roles, VPC configurations, and encryption best practices.
* Automated infrastructure provisioning and management using Terraform and CloudFormation.
* Conducted cost optimization for cloud resources, improving efficiency and reducing unnecessary expenditures.

**Environment:** Python, JavaScript (Node.js, React, Angular), Java, SQL (PostgreSQL, MySQL), Flask, Django, Express.js, AWS, Azure, Google Cloud, Docker, Kubernetes, Jenkins, GitHub Actions, RESTful APIs, Microservices, Agile/Scrum, CI/CD, UML, JIRA, Swagger, OAuth2, ELK Stack, Terraform, CloudFormation.

**Client: CitiBank, Tampa, FL June 2020 – Oct 2023**

**Senior Full Stack Developer | Responsibilities:**

* Designed the project using MVC, Session Façade, and Service Locator and Business Delegate patterns.
* Perform the role of a Scrum Master, interacted with the client, provide/take feedback on the features, suggest/implement optimal solutions and tailored application to customer needs.
* Integrated the application with Spring Framework for implementing Dependency Injection and provide abstraction between presentation layer and persistence layer.
* Developed Web pages using Struts view component JSP, JavaScript, HTML, jQuery, AJAX, to create the user interface views Migration 3rd party applications.
* Implemented validation on the JSP fields using Struts Validation framework which included writing validation.xml and validation-rules.xml files.
* Implemented all DAO's using Spring Framework. Implemented SOA using Web Services (SOA over WESB and SOAP over JMS) on ESB utilizing WebSphere Integration Developer (WID).
* Used Hibernate ORM framework as persistence engine, configured O/R mapping and wrote hibernate queries.
* Involved in designing front-end screens using Java script, JSP, Angular JS, AJAX, HTML and DHTML.
* Designed Presentation layer using JSP, Struts framework and did front-end validations using JavaScript and JQuery.
* Involved in design and development of UI component, using frameworks Angular JS, JavaScript, HTML, CSS and Bootstrap.
* Implemented core features of Angular JS framework such as dependency Injection, Data-binding, Filters, Directives, Templates, Services and Deep Linking.
* Configured and deployed the application on WebLogic Application Server.
* Implemented Complex Business Delegate layer using DAO's created and business logic.
* Exposed various capabilities such as Web Services using SOAP and WSDL.
* Supported all the UNIX requests for various applications and Developed ANT script to build .war and. ear files for the application

**Environment:** Java, J2EE, JavaScript, JSP, Springs, Struts, Hibernate, SpringBoot, Eclipse IDE, AWS, WebLogic, jQuery, MVC, Rational Rose, HTML, CSS, Angular JS, XML, UML, Web Services, JUnit, EJB, SVN, Oracle, Windows

**Client: Aflac, Columbus, GA Oct 2018 – May 2020**

**Software Engineer | Responsibilities:**

* Developed the middle tier using Session Bean, Entity Bean / DAO and Business Objects. Database layer is developed using – Oracle while Presentation layer developed using JSP.
* Used Web services, Web Processing Service (WPS), BPEL, and REST extensively for Operations module. Technologies SOA, SOAP, MTOM, TCPIP, TLS, PKI, WSDL, SAML, XSD, Xpath, JMS, and MDB are also used.
* Integration of Amazon Web Services( **AWS)**with other applications infrastructure..
* Deployed the packaging on to Web Logic application server.
* Contributed to project by working on end to end flow - developing JSP's, Servlet, action classes of Spring and to database front by writing various SQL queries and Stored Procedures.
* Developed an editor using JFC Swing.
* Used Java Beans for the required JSP components.
* Built, tested and debugged JSP Pages for critical modules in the system. Coded the Taglibs to aid front-end JSP pages.
* Deployed the application on the server including installing My SQL database and setting up JDK and Tomcat.
* Developed supporting JAVA classes that controlled the whole flow of the module as per specifications.
* Involved in the high level and low level designing of the admin and Info center module
* Coded the designated Java server pages (JSP's) and associated front-end screens using I3ML as per specifications.
* Developed an application using JFC Swing for manual data porting from Accounts Payable to Accounts receivable system.
* Used Toad and Oracle SQL prompt to interact with the database.
* Involved in client interaction for resolving technical and functional issues daily.
* Developed the user interface layer using spring framework.

**Environment:** Java, J2EE, JavaScript, Spring framework, Spring MVC, Hibernate, Junit, JSP, CSS, Servlets, JDBC, AJAX, Web services, REST, SOAP, XML, JQuery, Web Sphere, SQL, Oracle, Windows

**Client: KeyBank, Cleveland, OH Mar 2017 – Oct 2018**

**Junior Software Engineer | Responsibilities:**

* Developed internal coding using J2EE technologies based on the MVC Architecture.
* Implemented Business Logic using Java, Spring, Struts, and Hibernate.
* Achieved Dependency injection by creating Spring services, Spring controllers, and DAOs to wire objects of business classes.
* Implemented DAO pattern to fetch data from database using Hibernate to carry out various database operations and avoid redundant database access statements
* Involved in configuring XML mapping files and POJO objects.
* Used Hibernate Transaction Management, Spring/Hibernate Batch Transactions, and Hibernate cache concepts.
* Retrieved information from the Oracle database using Spring-Hibernate.
* Used AJAX extensively to implement front end /user interface features in the application.
* Implemented REST Web services to retrieve data from client side.
* Created new tables, PL/SQL stored procedures, functions, views, indexes and constraints, triggers and required SQL tuning to reduce the response time in the application.
* Resolved bugs/defects in the application by coordinated with team members of the project to assure a positive outcome.

**Environment:** Java, J2EE, JavaScript, Spring framework, Spring MVC, Hibernate, Junit, JSP, CSS, Servlets, JDBC, AJAX, Web services, REST, SOAP, XML, JQuery, Web Sphere, SQL, Oracle, Windows.

**Education**: BS in Computer Engineering, Florida international University