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| Jayasurya Ponugoti |

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# Synopsis

Results-oriented **Full Stack Java Developer** boasting over **10+ YEARS** of expertise. Proficient in all facets of the Software Development Lifecycle (SDLC), from conceptualization and analysis to design, development, testing and maintenance and success in delivering sophisticated Java UI solutions for major enterprise clientele.

**Expertise overview:**

* Profound mastery in Java, encompassing both **J2EE** and **J2SE** domains. Adept at architecting and optimizing scalable applications, with a specialized focus on **Lambda Expressions, Functional Interfaces, Stream APIs** and enhancements introduced in **Java 8 and Java 11.**
* Proficient in crafting cutting-edge Web UI Applications leveraging technologies including **HTML5, CSS3, Bootstrap, JavaScript, Typescript, Ajax, JQuery, Angular JS, React JS, Express JS, and Node JS.**
* Demonstrates advanced acumen in XML-centric technologies such as **XSL, XSD, XPATH, DTD and XML Schemas,** complemented by expertise in **XML** parsers like **DOM & SAX**.
* Expertise in systematically analyzing project requirements, collaborating directly with stakeholders, and translating complex business needs into detailed technical specifications, ensuring alignment at each stage.
* Extensive experience in designing robust application architectures, crafting **UML** artifacts such as Class diagrams and Sequence diagrams and implementing business tier objects, ensuring seamless integration between software components.
* Skilled **in core Java** principles, delving deep into concepts like Multithreading, Object-Oriented Programming, distributed computing, message-based architectures, and efficient memory management.
* Expertise across the spring ecosystem, including **Spring MVC, Spring Boot, Spring security, Spring cloud and SpringBatch**. Proficient in harnessing the power of **Hibernate for ORM,** ensuring modular, scalable, and efficient backend solutions.
* Accomplished in leveraging development **IDEs** such as **Eclipse, Sublime Text, IntelliJ and NetBeans.**
* Conversant in interfacing with diverse **DBMSincluding MySQL, PostgreSQL, Oracle 10g** and adept at **NoSQL** databases like**MongoDB, Cassandra, complemented by prowess inAWS DynamoDB**.
* Hands-on expertise with key **AWS** services **(S3, EC2, ELB, EBS, Route53, VPC, Auto Scaling),Azure** services (**Blob Storage, Data Lake, Data Factory, Azure SQL, SQL Data Warehouse, Analytics, Polybase, HDInsight, Databricks).**
* Deep understanding of messaging protocols and frameworks including **JMS, RabbitMQ, Kafka and ActiveMQ.**
* Specializes in the seamless integration of Java-centric applications within **Docker** and **Kubernetes** ecosystems, orchestrating holistic solutions that encompass databases, caching systems and message brokers.
* Well-versed in distributed version control, adept at branch management, conflict resolution and collaborative coding practices using platforms such as **SVN, Git, GitHub and CVS.**
* Competent in leveraging tools like **JIRA, Bugzilla and Redmine** for meticulous defect tracking and management throughout the software development continuum.
* Mastery in Java unit testing, employing JUnit and bolstered by **Mockito and PowerMock**, to facilitate rigorous object mocking and optimize test coverage.
* Seasoned in scripting with **ANT, Maven** and enhancing logging capabilities through **Log4j.**
* Expert in configuring and deploying applications across diverse servers, including **Apache Tomcat, WebLogic, IBM WebSphere and JBoss.**
* Exceptional client engagement acumen, coupled with the versatility to thrive autonomously or collaboratively within team environment.

**Certifications**

* AWS Certified Developer Associate.
* Microsoft Certified Azure Developer Associate.

**Education**

* Bachelor’s in computer science.

**Technical Skills**

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| **Languages & Platforms:** | **Core Java Concepts:** |
| Java (J2EE, J2SE, Java 8, Java 11) | Multithreading |
| HTML5, CSS3, Bootstrap | Object-Oriented Programming |
| JavaScript, Typescript | Distributed computing |
| Ajax, JQuery | Message-based architectures |
| XML (XSL, XSD, XPATH, DTD, XML Schemas) | Memory management |
| **Frameworks & Libraries:** | **DevOps & Configuration:** |
| Angular JS, React JS, Express JS, Node JS | Docker |
| Spring (MVC, Boot, Security, Cloud, Batch) | Kubernetes |
| Hibernate ORM | ANT, Maven |
| JMS, RabbitMQ, Kafka, ActiveMQ | Log4j |
| **Application Servers:** | **Version Control & Collaboration:** |
| Apache Tomcat, WebLogic, IBM WebSphere, JBoss | SVN, Git, GitHub, CVS |
| **Development IDEs:** | **Defect Management:** |
| Eclipse, Sublime Text, IntelliJ, NetBeans | JIRA, Bugzilla, Redmine |
| **Database Management:** | **Testing:** |
| DBMS: MySQL, PostgreSQL, Oracle 10g | Java unit testing (JUnit, Mockito,  PowerMock) |
| NoSQL: MongoDB, Cassandra, AWS, DynamoDB |  |
| **Cloud Services:** | **Client & Team Interaction:** |
| AWS (S3, EC2, ELB, EBS, Route53, VPC, Auto Scaling)  Azure (Blob Storage, Data Lake, Data Factory, Azure  SQL,  SQL Data Warehouse, Analytics, Polybase,  HDInsight, Databricks) | Software Design (UML, Class diagrams  Sequence Requirement Analysis and  Stakeholder collaboration. |
| **Software Development Life Cycle (SDLC):** |  |
| Client engagement skills  Team collaboration (both independent and team settings) |  |

# Professional Experience

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| Barclays Bank, Chicago, IL | Role: Java Full stack developer |
| Duration: Dec2021 – Present | **Project: Digital Evolution catalyst** |

Responsibilities:

* **Web Portal Development:** Spearheaded the design and execution of a novel web portal layout, steering every phase from conceptualization, design, development, to rigorous testing and eventual deployment.
* **Agile Leadership:** Orchestrated the transition of development teams to embrace **Agile**methodologies, instilling best practices to ensure efficient and optimal project realization.
* **Architectural Contributions**: Influenced architectural strategy with deep expertise in **Core Java principles**, championing scalable and resilient system designs.
* **UI Modernization**: Engineered state-of-the-art single-page applications utilizing **React JS** complemented by **JSX,** integrated with **Material-UI** and **Bootstrap4** and transitioned from archaic **UI** systems using **Angular JS** foundations.
* **Java Innovation:** Capitalized on cutting-edge Java 11 enhancements, including **Lambdas, Streams, Observables and** Completable Futures, forging ahead in the conception of sophisticated web and enterprise solutions.
* **React Implementation**: Crafted dynamic user interfaces, deploying **react** components, **Forms, Events, Keys, Router** and the **Flux architecture**, enriched with **Redux** for fluid user experiences and animations.
* **Spring Framework**: Executed implementations using Spring's renowned features, particularly **IOC, AOP** and **Batch, integrating** these via **XML** configurations while maximizing **Spring Boot** for robust **Hibernate** integration.
* **Micro services Design:** Pioneered **micro services** architecture within cloud paradigms, strictly adhering to industry gold standards to ensure scalability and modularity.
* **Scala Ecosystem Expertise**: lead Scala libraries and tools, including Cats, Scala, Slick, and Spark, for sophisticated data processing and analytics challenges.
* **Security Implementations**: Fortified REST APIs using sophisticated authentication and authorization strategies via **OAuth,JWT** and **API keys**. Further, crafted a Java API to interface seamlessly with **SQS** for bulk email distribution.
* **Hibernate Utilization:** Employed **Hibernate ORM** for adept object-relational mapping within the persistence layer, predominantly using **DAO** patterns for database interactions.
* **Azure Expertise:** Conducted a rigorous evaluation of Azure services to harmonize with application infrastructure demands, utilizing **ARM** templates for resource orchestration and leveraging Azure Monitor for detailed insights and monitoring.
* **DevOps Enhancement:** Leveraged **Docker** to augment the Continuous Delivery paradigm, facilitating seamless releases.
* **CI/CD Management:** Administered **Jenkins** pipelines to automate Java application lifecycle processes for repository management. Relied on **Log4J** for systematic application logging.
* **Web Services Creation:** Conceived and developed web services via **JAX-WS**, ensuring seamless integration with traditional backend systems.
* **MongoDB Design:** Skillfully architected **MongoDB** schemas tailored to application exigencies, ensuring peak performance and scalability.
* **Version Control**: Employed **Git** for adept source code management, overseeing branches, merges and versions systematically.
* **Kafka Integration**: Devised and executed Source-to-Sink transformations via **SMTs** for **Kafka**
* Connect pipelines.
* **Development Environment:** Utilized **Eclipse IDE** for intricate Java project configurations, ensuring alignment with institutional coding standards.
* **Server Configuration**: Expertly tuned application servers, notably **Apache Tomcat 6.0,**
* focusing on **JVM** optimization, clustering intricacies and security mandates.
* **Defect Management:** Employed JIRA for rigorous defect tracking, ensuring meticulous issue resolution.
* **Testing Prowess:** Utilized **Mockito** frameworks for exhaustive unit & integration testing, validating system integrity through comprehensive test cases.
* **Reporting Tool:** Collaborated with data teams to retrieve and preprocess data from Java applications, ensuring compatibility with **Power BI** reporting requirements.

**Toolkit & Platform:***Java 11, J2EE, Spring (IOC, AOP, Batch, Spring Boot), Hibernate ORM, HTML, CSS, JavaScript, JQuery, React JS (with JSX), Material-UI, Bootstrap4, Angular JS, Azure, Git, Docker, Jenkins, Kafka, MongoDB, JAX-WS, Java API for* **Amazon SQS, Eclipse IDE, Apache Tomcat, Mockito**

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| PNC Financial services, Pittsburg, PA | Role: Java Full stack Developer |
| Duration: March 2020 toNov 2021 | **Project: Enterprise Agile Transformation & Microservices Evolution** |

Responsibilities:

* **Business Alignment:** Engaged deeply with cross-functional stakeholders, translating intricate business imperatives into detailed technical blueprints. Leveraged architectural best practices to craft scalable systems with optimal database integrations and API synergies, ensuring congruence with enterprise objectives.
* **Agile Mastery**: Diligently adopted **Agile** frameworks, specifically **Scrum** and **Kanban,** wielding tools such as Jira and Trello to facilitate iterative project orchestration, meticulous backlog curating and strategic sprint choreography.
* **Lambda Expressions & Functional Interfaces**: Leveraged **Java 8's** Lambda capabilities to write more concise, readable and maintainable code, while effectively utilizing built-in functional interfaces to represent function contracts.
* **UI Engineering:** Crafted immersive User Interfaces employing **HTML, Bootstrap, CSS, JavaScript and Angular,** with a spotlight on Single Page Application ecosystems via client- centric **MVC** frameworks, accentuated by **JSON**-mediated data interchanges and **JSR353** for adept **JSON** manipulation.
* **Web Application Management**: Steered the evolution of web applications, melding **Spring Boot, REST** and security features, championing Spring Boot **Microservices** development harmonized with **REST** and **Apache Kafka,** whilst centralizing configurations through Spring Cloud Config Server.
* **Microservices Strategy:** Orchestrated the meticulous deconstruction of monolithic applications into granular, independent microservices, facilitating agile deployments and individualized scaling.
* **Angular Innovations:** Seamlessly integrated **Angular** components (**versions 11** and **4/5)** with **RESTful** paradigms, harnessing **TypeScript** to craft reusable **UI** assets, primed for efficient **REST API** consumption.
* **Data Mapping Excellence:** Deployed Hibernate as a pivotal **ORM** framework, mapping Java artifacts to relational database infrastructures, amplifying data accessibility and governance.
* **Azure Security & Compliance:** Bolstered the security posture of Java suites on **Azure,** incorporating Azure Active Directory, cryptographic enhancements, precise access matrices and ensuring regulatory compliance.
* **Disaster Resilience:** Architecture and validated disaster recovery mechanisms for **MySQL** andCassandra, anchoring data durability and operational continuity.
* **Messaging Expertise**: Conceived and curated message architectures in **ActiveMQ,** adapting diverse messaging archetypes like publish-subscribe and point-to-point.
* **Rule Engine Implementation**: Wrote various types of Business rules in the **drl** (**drools file**), **ece** (**expectation files**) Templates using Drools rule engine for injecting beans into the rules engine and invoking Rule Base Stateless Session.
* **Container Orchestration**: Employed **Kubernetes** for the symphonic management of containerized Java suites, optimizing deployments, elastic scaling and cross-cluster operability.
* **Build & Integration:** Deployed Maven for sophisticated build automation, dependency management, source compilation and seamless application testing and deployment.
* **Source Code Governance**: Managed code repositories proficiently with **SVN,** housed on platforms like **GitHub,** enhancing team synergy and versioning oversight.
* **IDE Mastery**: Utilized state-of-the-art **IDEs**, notably **IntelliJ** IDEA and **Visual Studio Code**, fortifying both backend and frontend development spheres.
* **Application Deployment**: Commissioned applications on **WebLogic** platforms, assuring steadfast hosting and high-performance content delivery.
* **Defect & Debugging Acumen**: Deployed **Jira** for meticulous defect lifecycle management.
* **Testing Rigor**: Engaged **TestNG** for stringent unit validation, championing code integrity via isolated testing environments and pre-emptive issue identification.

**Toolkit & Platform:***Java 8, J2EE, Spring Boot, Spring Cloud Config Server, Hibernate, HTML, Bootstrap, CSS, JavaScript, Angular (Versions 11, 4/5), TypeScript, JSON, JSR353, Azure, Azure Active Directory, MySQL, Cassandra, ActiveMQ, Kubernetes, Maven, SVN (hosted on GitHub), IntelliJ IDEA, Visual Studio Code, WebLogic, Jira, TestNG.*

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| Medline Industries, New jersey | Role: Java Full Stack Developer |
| Duration: Jan 2017to Feb 2020 | **Project: Healthcare Microservices Transformation** |

Roles and Responsibilities:

* **Strategic Engagement**: Participated robustly across project lifecycles, from conceptualization to post-deployment support, embracing **Agile (SCRUM)** methodologies coupled with a strong emphasis on Test-Driven Development (**TDD**).
* **Systematic Design Analysis**: Employed Rational Rose for precise architectural design, meticulously crafting various UML diagrams and constructed the presentationtier employing**HTML5, CSS4** and advanced **JavaScript** frameworks.
* **Java Excellence:** Harnessing **Java 8,** deftly employed Lambda expressions and Streams API for sophisticated internal iteration. Seamlessly integrated various Java/J2EE design paradigms including **Adaptor, Abstract Factory, Builder, Strategy and Spring IOC.**
* **UI Frameworks:** Strategically employed **Angular 7** and **Bootstrap,** architecting **JavaScript** within an **MVC** paradigm for Single Page Application (**SPA**) evolution, elevating controller functionalities.
* **Spring Integration**: Navigated the expansive Spring ecosystem, seamlessly amalgamating **Security, Boot, MVC, Data, Cloud and AOP** modules, fostering a secure and maintainable application landscape.
* **Microservices Migration:** Transitioned a legacy monolithic construct into a modern Microservice Architecture, adeptly **utilizing Spring Boot, JPA and Security,** complemented by Spring AOP and Actuator metrics.
* **API & Data Streamlining**: Integrated **RESTful** services, capitalizing on Hibernate for **ORM** persistence. Additionally, orchestrated Kafka Producer and consumer operations via Kafka Streams.
* **Cloud-Native Deployment:** Deploy Spring Boot micro services with **Docker** on **AWS EC2,** leveraging **AWS KubernetesService (EKS)** for orchestration, underpinning scalability and resilience in alignment with cloud-centric best practices.
* **DevOps Integration**: Orchestrated **CI/CD** pipelines with **Jenkins**, enhancing **micro services**deployment.
* **Data Management**: Adopted Hibernate as the pivotal **ORM** instrument, ensuring data coherence across the application, bridging Java constructs with relational databases.
* **IDE Optimization:** Utilized industry-leading **IDEs**, notably **IntelliJ IDEA**, reinforcing coding standards and best practices.
* **Build Automation:** Leveraged **ANT** for build automation, streamlining the genesis of **WAR**
* and **JAR** artifacts for deployment.
* **Server Administration:** Oversaw the configuration and maintenance of pivotal web servers, including WebSphere, guaranteeing peak performance and fortified security.
* **Database Expertise:** Championed database modeling across platforms such as **MySQL** and**Oracle 11g**, formulating adept SQL Map configurations via **IBATIS.**
* **Messaging Solutions**: Designed robust communication pathways employing **RabbitMQ,** ensuring resilient intercommunication between micro services.
* **Version Control:** Instituted GIT as the foundational source code management tool, facilitating collaborative code evolution and meticulous branch governance.
* **Logging & Issue Tracking**: Incorporated **Log4J** for calibrated logging and employed Jira for an agile defect tracking experience.
* **Rigorous Testing:** Relied on JUnit for exhaustive unit and integration validation, upholding code quality and championing Test-Driven Development (**TDD**).

**Toolkit & Platform:***Java 8, J2EE, Spring (Security, Boot, MVC, Data, Cloud, AOP), Hibernate (ORM), JPA, HTML5, CSS4, JavaScript, Angular 7, Bootstrap, AWS EC2, AWS Kubernetes Service (EKS), Docker, GIT, Kubernetes, Jenkins, ANT, MySQL, Oracle, IBATIS, RabbitMQ, Kafka Streams, Apache Kafka API, IntelliJ IDEA, Rational Rose, Log4J, Jira, JUnit*

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| Apple, Seattle, WA | Role: Java/J2EE Developer |
| Duration:Oct2013 to Dec 2016 | **Project: Web Optimization Endeavor** |

Roles and Responsibilities:

* **Analysis & design:** Involved in analysis & design of the system and created use cases, wireframe diagrams, class diagrams & sequence diagrams.
* **Web Application Excellence:** Orchestrated the development of Single Page Applications employing **Angular 2,** architecting modular, reusable components and directives via **TypeScript**, elevating the user experience with seamless interactivity.
* **Web Design Collaboration:** Engaged in sophisticated web interface augmentation, leveraging **HTML, CSS**, Angular 2 and **JavaScript**, coupled with Servlets and **JavaBeans**, ensuring a harmonious blend of aesthetics and functionality.
* **Spring Boot Development**: Used complete annotation driven approach to develop the application using Spring Boot and was also involved in setting up the spring bean profiling.
* **RESTful Design**: Crafted **RESTful** controllers utilizing Spring Data REST, optimizing the delivery of essential **JSON** data to the user interface.
* **ORM Integration**: Integrated **Hibernate** with the spring framework to streamline database interactions. This fusion facilitated robust transactional management, ensuring data integrity and optimizing operational efficiency in the application layer.
* **Database Connectivity:** Engineered solutions to integrate Java applications with SQLdatabases, ensuring seamless data flow and real-time application responsiveness.
* **Version and Build Management**: Used **Bitbucket** as version control system, to keep track of all the work & all changes, allowing several developers to collaborate and used Maven as build and configuration tool and **Jenkins** for continuous integration tool.
* **Messaging Architecture**: Spearheaded the design and implementation of message-driven architectures using Spring **JMS,** ensuring asynchronous communication and system decoupling.
* **Logging and Development Environment:** Involved in configuration and usage of **Apache Log4J** for logging and debugging purposes.

**Toolkit &Platform:** *Java, J2EE, Spring Boot, Hibernate, Spring Data REST, Spring JMS, HTML, CSS, JavaScript, Angular 2, TypeScript, SQL, SQLite, GIT, Maven, Jenkins, Spring JMS, Apache Log4J.*

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| Eureka Datamatics India private Limited,India | Role: Java developer |
| Duration: Oct 2012 to Sep2013 | **Project: Agile web development Endeavor project** |

Roles and Responsibilities:

* **Agile Development**: Worked in a fast-paced **AGILE** development environment while supporting requirement changes and clarifications. Designed and worked for complex application solutions.
* **Web Development:** Developed interactive web pages using **HTML, CSS, JavaScript**, and **AJAX,** with an emphasis on enhancing user experience through **jQuery** and handling **JSON** responses.
* **Web Services Creation:** Developed **XML** Schemas for user defined complex types and based on the schemas created WSDL to provide we-b services to add, delete and get documents from the Content Engine.
* **Database Integration**: Engineered Java solutions to seamlessly integrate with **SQLite** databases, facilitating real-time data access and manipulation for web and mobile applications.
* **Version Control Management**: Used **Tortoise SVN** to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and create new branches when new feature implementation starts.
* **Quality Assurance & Review**: Handled Production Support of the application, especially in debugging and fixing highly critical **bugs** and business issues with code.

**Toolkit & Platform:***Java, J2EE, HTML, CSS, JavaScript, AJAX, jQuery, XML, WSDL, SQLite, Tortoise*

*SVN.*