A silver circle with black text

AI-generated content may be incorrect.**SHARINI ANUMULA**

A blue and white logo

AI-generated content may be incorrect. [SHARINI-ANUMULA](https://www.linkedin.com/in/sharini-anumula-0b9455357/) | [PORTFOLIO](https://sharini20.github.io/portfolio/) | [GITHUB](https://github.com/Sharini20) | [MEDIUM](https://medium.com/@sharinireddy20)

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# PROFESSIONAL SUMMARY:

* **Experienced Full Stack Java Developer** with **7 years** of hands-on expertise in architecting, designing, and deploying **cloud-native applications** across diverse business domains.
* **Strong full-stack expertise**, delivering high-quality solutions using a wide range of technologies.
* **Back-end development expertise** in building **scalable and secure microservices architectures** using **Java, Spring Boot, Apache Kafka, and RESTful APIs**, ensuring high performance and seamless integration.
* **Front-end development skills**, crafting **intuitive and interactive UIs** with **ReactJS, Vue.js, and Angular**, optimizing performance, accessibility, and cross-browser compatibility.
* **CI/CD and DevOps proficiency**, automating **build, testing, and deployments** using **Jenkins and Azure DevOps**, streamlining development and accelerating time to market.
* **Strong Core Java expertise**, implementing complex business logic with **multithreading, Streams API, collections framework, and exception handling** for optimized solutions.
* Proven ability to work with diverse **data storage solutions**, including **relational databases** (e.g., **Oracle, MySQL, PostgreSQL**) and **NoSQL databases** (e.g., **MongoDB, Cassandra**), tailoring the database choice to specific application needs.
* Skilled in designing and implementing **RESTful APIs** and **GraphQL APIs**, ensuring seamless **data exchange** and integration between various systems and third-party services.
* Deep understanding of **security best practices**, implementing secure **authentication** and **authorization** mechanisms (**OAuth 2.0, JWT, OIDC**) to protect sensitive data and prevent unauthorized access.
* Strong commitment to **code quality**, employing **Test-Driven Development (TDD)** and writing comprehensive **unit tests**, **integration tests**, and **end-to-end tests** using frameworks like **JUnit, Mockito, Jest, Enzyme, Cypress**.
* Proficient in implementing robust **monitoring** and **logging** solutions using tools like **Prometheus, Grafana, ELK stack (Elasticsearch, Logstash, Kibana), Splunk**, enabling proactive identification and resolution of performance bottlenecks and system anomalies.
* Hands-on experience with **containerization** technologies like **Docker** and orchestration platforms like **Kubernetes**, enabling efficient deployment, scaling, and management of applications in cloud environments.
* Deep understanding of **event-driven architecture** principles and experience implementing asynchronous communication patterns using **message queues** like **Apache Kafka** and **RabbitMQ**.
* Exceptional **problem-solving** and **analytical** skills, with a proven ability to identify and resolve complex technical issues in a timely and efficient manner.
* Demonstrated experience working in diverse industries, including **e-commerce, finance,** and **technology**, adapting quickly to **new** **environments** and **challenges**.
* **Cloud computing knowledge**, with experience evaluating and prototyping **GCP services** for scalable and cost-effective applications.
* **Passionate about delivering impactful solutions**, ensuring efficiency, scalability, and business value.

# TECHNICAL SKILLS

|  |  |
| --- | --- |
| **Java/J2EE Technologies** | Java, JSP, Servlets/Applets, JDBC, JMS, JSTL, Custom Tags, JavaBeans, JNDI, RMI, EJB (Session/Entity Beans) |
| **Frameworks** | ReactJS, Spring (Core, Boot, Security, AOP, Cloud, WebFlux), Angular, NodeJS, ExpressJS, Hibernate, Dropwizard |
| **IDE & Editors** | Eclipse, RAD, NetBeans, Notepad++, Visual Studio, Edit Plus, Sublime Text, PyCharm |
| **Web Services** | SOAP, REST, WSDL, UDDI, JAX-RS, JAX-WS, GraphQL |
| **Design Methodologies** | J2EE Patterns (MVC, MVP, MVVM, Singleton), Microservices, Event-Driven Architecture |
| **Open Source** | JUnit, Log4j, Git, Postman, Swagger, Mockito |
| **Platforms** | Windows, UNIX, Linux (Ubuntu) |
| **AWS, Azure and GCP** | EC2, ECS, RDS, Lambda, Load Balancer, Auto Scaling, S3, SNS, CloudWatch, CloudFormation, Security Groups, API Gateway, Step Functions, Key Vault, Blob Storage, AD, Monitor, Cosmos DB, DevOps, GKE, Cloud Functions, SQL, Spanner, Dataflow, Beam |
| **Databases** | Cassandra, Oracle, MS SQL Server, MySQL, NoSQL, MongoDB, Redis, Elasticsearch |
| **Web Technologies** | HTML5, DHTML, CSS (Bootstrap), JavaScript, AJAX, XML, DTD/XSD, XSLT, DOM/SAX, JAXP, JAXB, JSON, JQuery |
| **Scripting Languages** | Maven, Ant, JavaScript, UNIX, Bash Scripting, Gradle |
| **Tools** | JIRA, Jenkins, GitHub Actions, Kafka, Swagger/Postman, AWS CodeDeploy, Azure DevOps, Terraform, ArgoCD |
| **Web/Application Servers** | Tomcat, WebLogic, JBoss, Apache HTTP, Nginx |
| **Containers** | Docker, Kubernetes, AWS Fargate, Helm Charts |
| **Authentication** | OAuth, JWT, OAuth 2.0, bcrypt, OIDC (SSO, MFA) |

# WORK EXPERIENCE

# Client: Samsung Research America, California Jan 2024 – Present

# Role: Full Stack Java Developer

# Responsibilities:

* Optimized **React applications**, reducing page load times by 30% using **memoization**, **lazy loading**, **SSR**, and lifecycle methods, specifically targeting performance on Samsung devices.
* Developed custom **React Hooks** to encapsulate and manage shared logic, enhancing code maintainability and reducing redundancy for Samsung's ecosystem services (e.g., SmartThings integration).
* Configured **Microservices architecture** and integrated it with ReactJS applications, ensuring cross-browser compatibility using **Babel** for **ECMA** version conversion, optimizing Samsung's **Tizen OS** and web browser.
* Utilized **ReactHttp** service for **API requests** and developed **Single Page Applications (SPAs)** using **React-Router**, focusing on user experiences optimized for Samsung Smart TVs and tablets.
* Used **Redux** to manage application state, implementing **mapStateToProps** and **mapDispatchToProps** with middleware such as **redux-promise**, **redux-thunk**, and **redux-saga**, managing complex states related to **AI/ML** features or data visualization.
* Designed the front-end modules of a **data visualization dashboard** using **Vue.js**, **Vuetify**, and centralized state management with **Vuex**, to display insights from **AI/ML models** for internal Samsung research.
* Incorporated **JavaScript Testing Frameworks** (**Jest**, **Enzyme**, **Cypress**) for front-end test cases, ensuring code quality and robustness for critical components.
* I led a team to enhance platform, improving transaction speed by 20% using **microservices architecture** for better scalability and reliability, focusing on backends for **AI-powered services** or large-scale data processing.
* Configured **Apache Kafka** for messaging between **APIs** and **Microservices**, deploying end-to-end microservices with **Kafka** and **Elasticsearch**, creating real-time data pipelines for **AI model training** and inference.
* Worked with **MongoDB** for managing large data sets, integrating data with **JSON** documents and dynamic schemas, particularly for storing unstructured data from **IoT** devices or sensor data.
* Implemented **RESTful web services** with **DropWizard**, enhancing **microservices architecture** and performance, focusing on exposing **AI/ML models** as **APIs** for use in Samsung's products.
* Designed and implemented **continuous deployment** and **delivery solutions** using **JIRA**, **Git Hub**, and **Jenkins CI** server for deploying **microservices** and **lambda functions** on **AWS**, supporting rapid iteration and deployment of AI/ML models.

# Client: First Tech Federal Credit Union, California Oct 2022 – Dec 2023

# Role: Full Stack Java Developer

**Responsibilities:**

* Developed a dynamic banking **UI** using **Angular** and **JavaScript**, focusing on reusable, modular components for tech-savvy users, emphasizing transaction tracking, fund transfers, and intuitive payment workflows.
* Implemented **NgRx** for state management, ensuring seamless real-time transaction updates, optimized for high-performance rendering of complex **data visualizations** with **JavaScript optimizations**.
* Designed responsive **UI components** with **Angular**, **HTML**, **CSS**, and **JavaScript**, ensuring cross-browser compatibility, accessibility compliance (**WCAG**), and user-friendly designs.
* Optimized **Angular applications** by using **JavaScript techniques** (memoization, lazy loading, **SSR**), reducing page load times by 30% and enhancing customer experience.
* Utilized **Angular Router** and **JavaScript ES6+** features for seamless navigation and improved workflow transitions, providing a user-friendly experience for accessing financial services.
* Integrated custom **validation logic** using **Formik**, **Yup**, and **JavaScript**, ensuring accurate user inputs, minimizing errors, and focusing on preventing fraudulent activity.
* Built **RESTful API integrations** within **Angular** components, using **JavaScript promises** and **async/await** for efficient **API calls** and real-time transaction status updates.
* Conducted **Test-Driven Development (TDD)** using **Jest**, **Cypress**, and **Angular Testing Library**, writing **JavaScript-based unit tests** to ensure frontend robustness.
* Developed **RESTful APIs** using **Spring Boot**, handling high-volume financial transactions with secure **authentication (OAuth 2.0, JWT)** and encryption mechanisms.
* Implemented **event-driven architecture** with **Kafka**, enabling real-time **ACH processing**, fraud alerts, and customer notifications via **Kafka** producers and consumers.
* Designed **microservices-based architecture** with **Spring Boot**, ensuring modularity, scalability, and independent deployments across financial services.
* Implemented **database indexing**, partitioning, and caching strategies in **Cassandra**, optimizing data retrieval speeds and reducing read/write latency for transaction history and member information.

# Client: Verizon, Hyderabad, India Dec 2020 – July 2022

# Role: Java Developer

# Responsibilities:

* Developed an interactive, modular **UI** using **ReactJS**, enabling a seamless shopping experience with dynamic product filtering and recommendations.
* Used **Redux** for global state management, ensuring consistent user experience with real-time updates on cart status and product availability.
* Implemented **lazy loading** and **memoization** techniques in **ReactJS**, reducing page load times and optimizing application performance.
* Integrated **Google Maps API** to enable intelligent address autosuggestions and validation, reducing incorrect deliveries and improving order accuracy.
* Designed and developed a flexible, responsive **UI** using **CSS3**, **Bootstrap**, and **Material UI**, ensuring cross-platform compatibility on mobile and desktop.
* Developed form validation mechanisms using **React Hook Form**, enhancing security for user authentication and checkout flows.
* Designed and developed **RESTful APIs** using **Spring Boot**, enabling efficient communication between product management, checkout, and payment microservices.
* Implemented an **event-driven architecture** using **Kafka**, ensuring real-time order updates, inventory synchronization, and fraud detection analytics.
* Developed a secure **authentication system** using **OAuth 2.0** and **JWT**, protecting customer accounts and enabling multi-factor authentication for transactions.
* Optimized product search functionality using **MongoDB’s full-text search capabilities**, reducing search response times by 40%.
* Utilized **PostgreSQL** for transactional **data processing**, ensuring fast, scalable, and **ACID-compliant** operations for order and inventory management.
* Implemented **distributed caching** using **Redis** to improve **API response times**, optimizing performance for frequently accessed data.

# Client: Kohl’s, Hyderabad, India April 2018 – Nov 2020

# Role: Software Developer

# Responsibilities:

* Developed and maintained a **responsive web portal** for a **retail client**, enabling **product catalog management**, **real-time stock tracking**, and **customer inquiry processing**, contributing to an improved **customer self-service experience**.
* Designed and built dynamic **UI components** using **AngularJS**, **HTML5**, **CSS3**, **Bootstrap**, and **JavaScript**, ensuring a smooth user experience across devices, with a focus on mobile responsiveness.
* Implemented form validation and client-side error handling in **AngularJS** to improve data accuracy and prevent invalid user inputs, crucial for ensuring accurate customer data and transaction details.
* Integrated **AJAX** for asynchronous data retrieval, reducing page reloads and enhancing application performance, contributing to a faster and more efficient customer journey.
* Developed **RESTful APIs** using **Spring Boot** to handle product listings, user authentication, and customer order processing, creating a robust backend for managing customer interactions and order fulfillment.
* Utilized **Spring Security** with **OAuth2** for role-based authentication and access control, ensuring secure **API endpoints** and protecting sensitive customer data.
* Configured and optimized **MySQL database** for efficient **CRUD operations**, indexing, and transactional data storage, supporting the high-volume data needs of a customer engagement platform.
* Used **Hibernate ORM** for seamless object-relational mapping, reducing manual **SQL queries** and improving database interaction efficiency.
* Deployed applications on **Apache Tomcat**, ensuring stability, high availability, and load balancing, providing a reliable platform for serving customer requests at scale.
* Automated build and deployment pipelines using **Jenkins** and **Maven**, ensuring continuous integration and faster deployment cycles.
* I wrote **unit tests** with **JUnit** and worked closely with **QA teams** to conduct functional and regression testing, ensuring high-quality code.
* Used **Spring AOP** for logging and monitoring, improving system observability and debugging efficiency.

# EDUCATION

Master’s fromUniversity of Dayton, Dayton, Ohio.

# CERTIFICATIONS

* AWS Certified Solutions Architect – Associate
* Oracle Certified Professional Java SE 11 Developer

# REFERENCES: Provided based on the request