Sudheer Bezawada

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PROFESSIONAL SUMMARY

- **Results-driven and versatile Software Engineer** with over 5+ years of experience crafting high-performance applications across various domains.
- Proven ability to **design, develop, and deploy scalable & secure** solutions leveraging a comprehensive tech stack (**Java, Python, Node.js, Spring, React**, etc.). Thrives in collaborative Agile environments and consistently **delivers projects on time** and within budget.
- **Key Accomplishments:**
  - Increased application **scalability by 24%** by implementing **Java/Spring Boot microservices** and **React/TypeScript** front-end modules for trading and portfolio systems, achieving 99.99% uptime and **35% faster API performance.**
  - Implemented event-driven architectures **(Kafka), CI/CD automation,** and **cloud infrastructure (AWS, Terraform)** that improved development velocity by 30% and reduced production deployment time by over 50%.
  - Engineered **HIPAA-compliant microservices and API integrations** connecting payer, eligibility, and claims systems, improving data accuracy and reducing manual escalations by 30% across healthcare workflows.
  - Automated infrastructure and DevOps pipelines with **Terraform, Docker, and Kubernetes**, strengthening deployment reliability and cutting cloud provisioning errors by 90%.
  - Led the end-to-end design and development of a cross-platform donation and community service platform using Java, React.js, and Android/Kotlin, **driving 20,000+ app downloads and a 150% increase in user retention.**
  - Built and optimized **scalable backends (Java, Go, MySQL)** and **mobile integrations (Google Maps, FCM, GPS)** to connect donors with local needs, significantly expanding the nonprofit's digital reach and operational efficiency.

TECHNICAL SKILLS

Programming Languages: Java, Scala, Python, C#, PL/SQL, Bash, UML, JavaScript (ES6+), TypeScript, HTML5, CSS3, XML, JSON
Frameworks & Libraries: Spring (Core, Boot, MVC, Security, AOP, ORM, JDBC, JMS, Batch, Quartz), Hibernate, Struts, JSF, JSTL, Servlets, JSP, Node.js, Express.js, Grails, Mule ESB, RESTful APIs, SOAP Web Services
Frontend: React, Redux, AngularJS, Angular 2+, jQuery, Bootstrap, Tailwind CSS, Material-UI
Backend: Node.js, Express.js, Grails, Mule ESB
Databases: Oracle, MySQL, MS SQL Server, PostgreSQL, MS Access, SQLite, MongoDB, DynamoDB, Cassandra
Data & Analytics: SQL, Tableau, Power BI, Data Visualization, A/B Testing, Metrics Definition (KPIs, OKRs)
Cloud & DevOps: AWS (Lambda, API Gateway, EC2, S3, IAM), GCP, Docker, Kubernetes, Terraform, YAML
Version Control & CI/CD: Git, SVN, CVS, ClearCase, Jenkins, Gradle, Webpack, PowerShell, Linux/Unix Shell Scripting
IDEs & Tools: Eclipse, NetBeans, RSA, RAD, WSAD, Jira , VS code
Testing & QA: Unit Testing: JUnit, Mockito, API Testing, Frontend Testing: Jest, Mocha, Cypress
Application Servers & Methodologies: Apache Tomcat, JBoss (4.2.x, 5.x, 6.1 EAP), WebSphere, WebLogic, Agile, Scrum, TDD, XP

PROFESSIONAL EXPERIENCE

Software Engineer | Robinhood, Wichita, KS June 2024 – Present

(Financial Trading Platform | Agile | Java Backend | Cloud-native Architecture)

- Contributed to the **Robinhood Strategies platform**, enabling automated investment, portfolio optimization, and **personalized trading insights** for retail investors.
- Designed and developed **Java** / **Spring Boot microservices** handling real-time order execution, strategy evaluation, and portfolio rebalancing.
- Built and optimized **RESTful and GraphQL APIs** for seamless data exchange across trading, analytics, and user-facing applications
- Implemented event-driven processing **pipelines using Apache Kafka and Redis,** improving message throughput and system responsiveness.
- Designed and implemented secure **OAuth 2.0** based authentication flows and **RBAC** for multi-tiered user access control in microservice APIs.
- Integrated **data-driven investment models** into production by working closely with data science teams; deployed models that increased recommendation accuracy by **~22%**.
- Delivered responsive UI modules using **React, TypeScript, and Material-UI**, with component reusability across the investor dashboard improving development velocity by **~30%**.
- Improved system **reliability and scalability**, achieving service availability and **reducing API latency by 30%** through caching and query tuning.
- Built infrastructure-as-code modules using **Terraform** to standardize and automate cloud deployments.
- Deployed and monitored distributed services on **AWS (ECS, S3, CloudWatch) using Docker, Jenkins, and GitHub Actions** for **automated CI/CD pipelines.**
- Participated in **daily Agile ceremonies** with cross-functional teams. Performed **code reviews** and mentored junior developers on clean coding practices. Worked with Trac, Subversion (**SVN**), and Wiki to track various aspects of the project.
- Implemented scalable RESTful APIs using Node.js and Express, integrating JSON-based data flows with secure authentication mechanisms.

Key Technologies: Java, Spring Boot, Kafka, GraphQL, React, TypeScript, CSS, REST API, Docker, AWS, Jenkins, PostgreSQL, MongoDB, Redis, Microservices, CI/CD

Software Engineer | Cognizant Sep 2021 – Jan 2023

(Healthcare Domain | Java Backend | API Integration | Cloud & DevOps)

- Developed and maintained **Java Spring Boot microservices** aligned to healthcare document workflows and claims processing systems
- Built secure RESTful APIs for seamless integration between web modules and backend services
- Created front-end features using **ReactJS and Bootstrap, enhancing the usability for healthcare operations users.** Managed Dell Boomi integration flows to connect internal claim systems with external payer APIs
- Applied HIPAA-compliant data handling in all backend and integration layers ensuring secure processing. Wrote unit and integration tests using JUnit, and validated **REST endpoints with Postman.** Containerized microservices using Docker and managed container orchestration through Kubernetes
- Implemented **CI/CD pipelines using Gradle and integrated them with Jenkins** for automated deployment. Built Dell Boomi connectors to sync employee healthcare eligibility between vendors. Managed Kafka streams for real-time status updates on healthcare tasks and events
- Automated infrastructure provisioning using Terraform, including **AWS Lambda and S3 configurations**.Created structured MongoDB and Oracle schemas to manage claims and patient reference data
- Followed **Agile methodology** with daily stand-ups, story point estimations, and retrospective meetings. Applied Spring Security to protect sensitive endpoints and support RBAC-based user flows
- Used Node.js scripts in build pipelines for automation of file processing
- Integrated **AI and ML features into backend systems using Spring AI** framework and custom pipelines, enhancing patient risk analytics and predictive modeling. Collaborated with offshore testers to ensure seamless QA cycles
- Refined backend performance using Java 8 streams and thread pooling. Generated and documented API specifications using AI
- **Used GIT for version control**, enabling efficient branching and merging across development. Logged application metrics using AWS CloudWatch for proactive monitoring
- Implemented the Spring dependency injection of the Database helper instance to the action objects.

Software Developer | Team Tarak Trust Jan 2019 – Dec 2021

(Volunteer-led platform for community services and donations)

- **Led Development & Management:** Directed the creation of an Android app and website for a charitable trust, utilizing Java for Android and **HTML/CSS/JavaScript for front-end development.**
- Integrated **Google Maps API** with **GPS** to display nearest ports and improve location-based services
- Developed features in both **Web Backend (Java, Go, C/C++) and Web Frontend (React.js).**
- Built Android components for Bluetooth, GPS, and Location Connectivity. Implemented unit and integration tests using Mockito, JUnit, Robotium, Appium, and Robolectric.
- Applied **Google's Material Design** for enhanced user experience and modern UI. Designed ListView and integrated SQLite databases for shipment monitoring. Developed cross-platform functionality integrating Wi-Fi, GPS, Camera, and Bluetooth.
- Used **Android NDK and Kotlin** to improve performance and stability. Implemented push notification framework leveraging Google's cloud messaging services. Managed dependencies and builds with Gradle, reusing or customizing third-party libraries.
- Supported desktop version of the app using **Backbone.js, JavaScript, and RESTful JSON APIs**. Worked on internationalization APIs (Formatters, Collation, Message Format) for global reach. Rendered 2D graphics with OpenGL for enhanced visualization.
- **Built iOS applications with Objective-C, Cocoa Touch, Swift, XCode,** Xamarin, and CoreData. Developed cross-platform native apps using Vue.js and NativeScript.
- Facilitated Community Support: Designed features to connect individuals in need with potential donors, including donation requests, blood donation drives, and trust event notifications. Database Management: Employed MySQL for effective database management, ensuring secure and reliable data storage increased application efficiency by 30%.
- Achieved High Engagement: **Successfully achieved over 20,000 app downloads,** indicating strong user engagement and community interest. Enhanced Online Presence: Built a robust online platform that strengthened the trust's visibility and fostered community engagement improved user retention by 150%.

EDUCATION

Master of Science in Computer Science

Wichita State University, Wichita, Kansas, ***CGPA:3.97/4.0***

PROJECTS

Shopify Prototype Dec 2023

JavaScript, Angular, Spring Boot, MySQL, Eclipse, Docker,Apache Kafka

- Utilized JavaScript, TypeScript, and RxJS to implement complex business logic and data handling for the e-commerce application, resulting in a 20% increase in application reliability and stability. •
- Integrated Spring Boot with message brokers, like RabbitMQ and Apache Kafka, to implement asynchronous communication between microservices, improving system scalability and reliability by 22%. •
- Employed Spring Boot's actuator module to monitor the e-commerce application's health, performance metrics, and the appropriate infrastructure, leading to a 15% reduction in maintenance overhead.

CERTIFICATES

AWS Certified Developer – Associate