

AKSHAY KATLA

(937) 582-6088 | [Gmail](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Medium](#)

PROFESSIONAL SUMMARY

- Over 6+ years of experience in designing, developing, and deploying full-stack applications using **Java, Spring Boot, React.js, and modern web technologies** across multiple enterprise domains.
- Expertise in building **scalable backend services** with **Spring Boot, RESTful APIs, and microservices architecture** for complex business solutions, third-party integrations, and distributed enterprise workflows.
- Proficient in **React.js, JavaScript, TypeScript, HTML5, and CSS3**, delivering interactive, responsive, and user-friendly front-end applications across financial, healthcare, and e-commerce platforms.
- Hands-on experience with **databases (MySQL, PostgreSQL, MongoDB, SQL Server)** including schema design, query optimization, performance tuning, and seamless enterprise data migration projects.
- Implemented secure authentication/authorization using **Spring Security, OAuth2, and JWT tokens** to ensure compliance, data privacy, and access control in enterprise-grade business applications.
- Developed and integrated **RESTful APIs and GraphQL APIs** enabling seamless communication between front-end and back-end systems in microservices-based distributed environments.
- Experienced in **real-time data streaming** using **WebSockets, Kafka, and RabbitMQ** for live updates in financial dashboards, claims management, and collaborative business applications.
- Extensive work with **AWS (EC2, S3, RDS, Lambda, API Gateway)** and **GCP (Cloud SQL, Pub/Sub, GKE)** for deploying secure, scalable, and cloud-native enterprise applications.
- Skilled in **Docker, Kubernetes, and CI/CD pipelines** (Jenkins, GitHub Actions, Azure DevOps) for automated builds, deployments, and cloud-native microservices lifecycle management.
- Delivered **data visualization features** using Chart.js, D3.js, and custom dashboards to present actionable analytics and improve decision-making across enterprise-level projects.
- Strong in **Agile/Scrum methodologies**, participating in sprint planning, daily stand-ups, retrospectives, and code reviews to ensure collaboration and consistent project delivery.
- Experienced in leveraging **AI-driven tools like GitHub Copilot** to accelerate coding efficiency, automate repetitive tasks, and reduce delivery timelines across multiple enterprise projects.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript
- **Frontend Technologies:** React.js, Redux, HTML5, CSS3, Bootstrap, Tailwind CSS, JavaScript (ES6+)
- **Backend Technologies:** Java (Spring Boot, Spring MVC, Spring Security), RESTful APIs, Microservices Architecture
- **Database Management:** MySQL, PostgreSQL, MongoDB, SQL, PL/SQL, Hibernate, JPA
- **Cloud & Deployment:** AWS (EC2, S3, RDS, Lambda), GCP (Compute Engine, Cloud Storage, Cloud SQL, Pub/Sub), Docker, Kubernetes, CI/CD (Jenkins, Azure DevOps), Heroku, Apache Tomcat
- **Authentication & Security:** JWT, OAuth2, Spring Security, Role-Based Access Control (RBAC), CSRF Protection
- **Development Tools & Version Control:** Git, GitHub, Bitbucket, GitLab, Maven, Gradle, Postman, Swagger, Google Cloud SDK
- **Real-Time Data & Messaging:** WebSockets, Kafka, RabbitMQ, GCP Pub/Sub
- **Testing Frameworks:** JUnit, Mockito, Selenium, Playwright
- **Methodologies & Best Practices:** Agile (Scrum, Kanban), Test-Driven Development (TDD), Design Patterns, SOLID Principles, CI/CD Pipelines

PROFESSIONAL EXPERIENCE:

Client: PWC, Chicago Jun 2024 - Present

Role: Java Full Stack Developer

Responsibilities:

- Designed and developed a **financial portfolio management system** with **React.js, TypeScript, CSS3, and Spring Boot microservices**, ensuring real-time portfolio tracking and reporting.
- Built secure **RESTful APIs** with **Spring Boot** and integrated them with the **React.js frontend**, enabling seamless financial data visualization and transaction processing.
- Implemented **Spring Security with JWT tokens** for authentication/authorization, ensuring compliance, secure access, and protecting sensitive **financial data records**.
- Developed **real-time data streaming** using **WebSockets** and **Kafka**, delivering live updates, notifications, and portfolio changes with highly scalable infrastructure.
- Created dynamic **data visualization dashboards** using **Chart.js and D3.js** to present financial insights, performance metrics, and predictive trend analytics effectively.
- Deployed applications on **AWS (EC2, S3, RDS, Lambda, API Gateway)**, achieving scalability, disaster recovery, and optimized cost within secure cloud environments.
- Refactored monolithic **Java applications** into **Spring Boot microservices**, deployed with **AWS Lambda**, improving modularity, resilience, and overall system maintainability.
- Integrated **AWS S3 storage** with **Spring Boot APIs** for secure uploads, retrieval, automated backups, and enterprise-level cloud-native document lifecycle management.
- Implemented centralized logging and monitoring with **AWS CloudWatch and ELK Stack**, enabling alerts, troubleshooting, and enhancing system-wide operational reliability.
- Collaborated with cross-functional teams in **Agile Scrum**, participating in sprint planning, retrospectives, stand-ups, and peer reviews to ensure timely deliveries.
- Conducted **JUnit and Mockito testing** for backend services, maintaining 90%+ coverage, reducing defects, and automating validation with **Jenkins CI/CD pipelines**.
- Developed event-driven microservices with **Kafka** for reliable processing, ensuring high throughput, fault tolerance, and scalable **financial transaction workflows**.
- Reduced **API response latency** by 35%, improving transaction processing speed and enhancing user experience across 50K+ daily financial transactions.
- Automated **CI/CD** deployments, cutting release cycle time from 3 hours to under 20 minutes, significantly boosting developer productivity.
- Leveraged **GitHub Copilot** for boilerplate code generation, accelerating **backend service** development by 25% and reducing repetitive coding tasks.

Client: Mitchell International, San Diego, CA

Feb 2023 - May 2024

Role: Java Full Stack Developer

Responsibilities:

- Developed scalable **insurance claims processing applications** using **Java, Spring Boot, and React.js**, ensuring seamless integration and highly efficient claim workflows.
- Designed and consumed **RESTful APIs** in **Spring Boot** for real-time claims data exchange, improving accuracy, speed, and overall reliability of insurance operations.
- Implemented **Spring Security with OAuth2 and JWT** for role-based access, protecting sensitive healthcare and insurance information under strict compliance guidelines.
- Enhanced user experience by building **dynamic React.js components** with **TypeScript, Redux, HTML5, and CSS3**, ensuring responsiveness across multiple devices.

- Created **event-driven microservices** using **Kafka and RabbitMQ**, enabling real-time claim event processing, asynchronous handling, and faster decision-making workflows.
- Deployed applications on **AWS (EC2, S3, RDS, Lambda, API Gateway)**, achieving scalability, high availability, and cost-effective disaster recovery mechanisms in cloud.
- Optimized database queries in **Oracle and PostgreSQL** for faster claim retrieval, enhancing system responsiveness and reducing latency in healthcare transactions.
- Integrated **AWS S3 storage** for claims document management, enabling secure uploads, encrypted storage, retrieval, and automated archival within cloud environments.
- Implemented **CI/CD pipelines** with **Jenkins and GitHub Actions**, automating builds, deployments, and regression testing while reducing overall release cycle time.
- Conducted **unit and integration testing** with **JUnit, Mockito, and Selenium**, achieving 90%+ test coverage and improving software stability during production rollouts.
- Worked in **Agile Scrum** methodology, actively participating in sprint planning, daily stand-ups, retrospectives, and cross-functional collaboration with diverse teams.
- Created interactive **data visualization dashboards** with **D3.js and Chart.js**, providing insights into claim statuses, patterns, and predictive healthcare cost analytics.
- Improved claim processing speed by 40%, reducing end-to-end workflow time from 5 days to 3 days, benefiting thousands of insurance customers.
- Enhanced system scalability to handle 1M+ concurrent claim records, ensuring zero downtime during peak **healthcare** enrollment periods.
- Adopted **GitHub Copilot** for rapid **UI development**, reducing **React.js component** coding time by 20% and improving overall sprint velocity.

Client: F5, Inc. Hyderabad, India

May 2021 - Dec 2022

Role: Java Full Stack Developer

Responsibilities:

- Developed enterprise **web applications** using **Java, Spring Boot, and React.js**, delivering secure, scalable, and maintainable solutions for network and analytics workflows.
- Built and consumed **RESTful APIs** in **Spring Boot**, integrating with third-party services to enhance automation, performance, and real-time enterprise data exchanges.
- Implemented **Spring Security with JWT and OAuth2**, enabling role-based access, secure authentication, and protection of sensitive application workflows from external threats.
- Designed responsive **front-end components** using **React.js, Redux, TypeScript, HTML5, and CSS3**, ensuring consistent UI/UX across multiple devices and dashboards.
- Deployed services on **GCP** using **Compute Engine, Cloud Storage, GKE, Cloud SQL, and Pub/Sub**, optimizing cloud-native deployments for scalability and high availability.
- Created **microservices architecture** with **Spring Boot and Kafka**, improving modularity, resilience, and enabling asynchronous, high-throughput data processing across distributed systems.
- Managed **databases** using **MySQL and PostgreSQL**, tuning queries, optimizing indexes, and ensuring efficient data retrieval and transaction integrity in enterprise applications.
- Implemented **CI/CD automation** with **Jenkins, GitHub Actions, Docker**, streamlining deployments, reducing release cycles, and maintaining production stability in cloud environments.
- Developed **unit, integration, and Selenium tests** using **JUnit and Mockito**, achieving 90%+ coverage and ensuring reliability of critical production services.
- Collaborated in **Agile Scrum methodology**, participating in sprint planning, code reviews, retrospectives, and cross-functional teamwork to ensure consistent delivery of high-quality software.

Client: MAQ Software, Hyderabad, India

Jul 2019 - Apr 2021

Role: Java Full Stack Developer

Responsibilities:

- Developed and maintained **web applications** using **Java, Spring Boot, and Angular**, ensuring scalability, reliability, and optimized performance across enterprise client solutions.
- Built **RESTful APIs** with **Spring Boot** and integrated them with **Angular frontend**, enabling seamless client-server data communication and real-time application workflows.
- Implemented **Spring Security with JWT authentication**, enforcing secure access, role-based controls, and regulatory compliance for sensitive enterprise modules.
- Designed reusable **UI components** with **Angular, TypeScript, HTML5, and CSS3**, improving accessibility, responsiveness, and consistent user experience across multiple devices.
- Migrated on-premise modules to **GCP**, leveraging **Compute Engine, Cloud Storage, Cloud Functions, Pub/Sub, and BigQuery**, enabling cloud-native scalability and analytics.
- Developed **real-time data streaming solutions** using **Pub/Sub** and integrated with **BigQuery**, delivering fast analytics, reporting, and predictive insights across large datasets.
- Optimized **SQL Server and Oracle databases**, improving query performance, indexing, and ensuring fast, reliable data retrieval for enterprise-level transactions.
- Implemented **CI/CD pipelines** using **Jenkins, GitHub Actions, and Docker**, automating builds, deployments, and regression testing for consistent production releases.
- Conducted **unit and integration testing** with **JUnit, Mockito, and Selenium**, achieving high test coverage and ensuring application reliability and stability during production rollouts.
- Collaborated in **Agile Scrum methodology**, participating in sprint planning, daily stand-ups, retrospectives, and cross-functional team discussions to deliver high-quality software on schedule.

EDUCATION:

Master of Science, Computer Science | University of Dayton, USA