

Anand Parmar

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SENIOR JAVA DEVELOPER | SOFTWARE ENGINEER 3

PROFESSIONAL SUMMARY

Senior Java Developer with 10+ years of experience designing, enhancing, securing, testing, and supporting enterprise applications across financial technology, real estate, healthcare/life sciences, travel, biotech manufacturing, and operational business systems. Deep hands-on experience with Object-Oriented Java, J2EE, Spring Boot, Spring MVC, RESTful web services, Spring AOP, transaction management, Spring Security, SQL, JUnit, Angular, Crystal Reports, and PowerBI. Known for taking ownership of legacy and maintenance-mode systems, modernizing business logic and UI workflows, extending reporting and data models, improving code coverage, reducing defect leakage, and supporting production systems across multiple environments.

Strong fit for the Texas HHSC Software Engineer 3 role supporting the SCOR BAU EI parallel initiative: experienced in updating complex Java applications, maintaining business-critical systems, troubleshooting defects, performing root cause analysis, writing documentation, participating in peer reviews, enforcing testing and security standards, and providing on-call support.

EDUCATION

University of Massachusetts Boston | Boston, MA

Master of Science in Computer Science | 2015 - 2018

Mumbai University | Mumbai, India

Bachelor of Technology in Computer Engineering | 2009 - 2013

CORE TECHNICAL SKILLS

Languages: Java, SQL, TypeScript, JavaScript, HTML, CSS, XML, JSON

Backend: J2EE, Spring Boot, Spring MVC, Spring AOP, Spring Security, Hibernate/JPA, RESTful Web Services, Microservices, SOAP legacy integrations

Frontend: Angular, TypeScript, RxJS, Reactive Forms, Bootstrap/Material UI, JSP, Thymeleaf

Databases: Oracle, PostgreSQL, MySQL, SQL Server, stored procedures, indexing, query optimization, data modeling

Testing: JUnit, Mockito, Spring Test, integration testing, regression testing, SonarQube, code coverage governance

Reporting and Analytics: Crystal Reports, PowerBI, operational dashboards, reporting data sets, data extracts

DevOps and Tools: Git, Maven, Gradle, Jenkins, Docker, Linux, Jira, Confluence, Splunk, Postman, Swagger/OpenAPI

Practices: Agile/Scrum, peer reviews, defect RCA, secure coding, documentation, production support, on-call support

AI-ASSISTED ENGINEERING EXPERIENCE

- Built an AI-assisted defect triage workflow for Java/Spring production issues by using sanitized stack traces, logs, and recent change summaries to identify likely failure paths, generate RCA drafts, and propose test scenarios. Final fixes were validated through log review, unit tests, regression testing, and peer review, reducing average root-cause analysis time by an estimated 30-40% for recurring service-layer and SQL defects.
- Used AI to accelerate JUnit/Mockito test development by converting acceptance criteria, legacy code branches, and defect scenarios into candidate unit-test cases. Improved service-layer coverage on targeted modules from approximately 62% to 82% while reducing manual test-writing time.
- Created AI-supported SQL review prompts to identify risky joins, missing indexes, null-handling gaps, pagination issues, and report-performance risks before peer review, helping reduce slow-query incidents and improve report generation speed.
- Applied AI to legacy code comprehension by summarizing large Java classes, Spring AOP interceptors, transaction boundaries, security annotations, and SQL dependencies into engineer-readable onboarding notes.
- Used AI to improve documentation quality by drafting API behavior notes, defect RCA summaries, deployment validation checklists, and support runbooks, then reviewing and correcting all outputs before publication.
- Promoted responsible AI usage by avoiding customer data, secrets, credentials, regulated records, and proprietary payloads in external tools; used sanitized examples, synthetic data, and approved internal practices.

PROFESSIONAL EXPERIENCE

PayPal | Austin, TX

Senior Software Engineer / Senior Java Developer | 2024 - Present

- Enhance enterprise Java/Spring Boot services by updating business rules, REST endpoints, validation layers, data-access logic, and transaction boundaries for high-volume financial platform workflows.

- Improve service reliability by refactoring exception handling, retry logic, logging, and transaction demarcation using Spring AOP and declarative transaction management.
- Expand JUnit/Mockito coverage for service and DAO layers, raising code coverage on assigned components from approximately 68% to 84% and reducing regression defects during release validation.
- Partner with product, QA, and support teams to investigate production issues, perform defect root cause analysis, document fixes, and deploy patches through controlled release pipelines.
- Build AI-assisted workflows for defect triage, unit-test generation, SQL review, and support documentation while maintaining human review and secure-data handling.
- Mentor 4 junior engineers and 2 interns on Java debugging, Spring transaction management, SQL tuning, unit testing, and code review expectations. Two mentees took on independent feature ownership within 6 months, and one intern converted to a full-time engineering role.
- Support on-call rotation for business-critical services and create runbooks and alert-response notes that reduce repeat escalation time for common failures.

Impact: Improved release quality, lowered recurring defect volume, strengthened test coverage, and accelerated onboarding for newer engineers in a high-compliance fintech environment.

Realtor.com | Austin, TX

Senior Java Developer | 2022 - 2024

- Designed and implemented RESTful APIs on the Spring platform for property-data, lead-management, and operational workflows, improving integration reliability between internal services and partner-facing systems.
- Updated Angular UI components and TypeScript services to improve search, filtering, validation, and reporting workflows used by operations teams.
- Optimized SQL queries and indexing strategies for reporting-heavy workflows, reducing average report response time by approximately 35% for selected operational dashboards.
- Extended reporting capabilities using PowerBI dashboards and backend data extracts, giving business teams clearer visibility into lead conversion, listing data quality, and operational bottlenecks.
- Added JUnit and integration tests for API and service-layer changes, helping reduce escaped defects across quarterly release cycles.
- Used AI-assisted development practices to summarize large legacy Java classes, generate candidate test cases, and draft API documentation; all code and documentation were validated manually before merge.
- Led technical design discussions and mentored 3 mid-level engineers on Spring Boot patterns, REST API contracts, and SQL performance review.

Impact: Improved reporting performance, reduced operational friction, strengthened test coverage, and helped teams ship faster with fewer regressions.

TraceLink | Greater Boston Area / Remote

Java Software Engineer | 2020 - 2022

- Developed J2EE/Spring services for supply-chain traceability workflows, including REST API enhancements, validation rules, data-access logic, and integration support.
- Created and optimized SQL queries, stored procedures, and reporting data sets for customer-facing and internal reporting needs.
- Implemented Spring Security and role-based controls for service endpoints and UI workflows, improving access governance for regulated customer environments.
- Supported reporting enhancements using Crystal Reports and PowerBI-style operational dashboards to track exceptions, transaction volume, and compliance workflows.
- Performed defect RCA across Java services, SQL layers, and integration boundaries; documented findings and corrective actions for support and QA teams.
- Improved regression reliability by adding JUnit/Mockito tests around high-risk business logic and transaction scenarios.
- Participated in production support and deployment validation across development, QA, staging, and production environments.

Impact: Strengthened compliance reporting, improved data traceability, reduced support escalations, and increased confidence in maintenance releases for regulated enterprise customers.

United Airlines | Chicago, IL

Java Developer | 2018 - 2020

- Maintained and enhanced J2EE/Spring applications by updating business logic, REST endpoints, JSP/Angular UI workflows, and SQL-based data access layers.
- Supported defect corrections in maintenance mode, including debugging production incidents, reviewing logs, identifying root causes, and implementing tested fixes.
- Built and enhanced Crystal Reports used by operations teams, including parameterized reports, export formats, and database-backed report logic.

- Improved SQL performance for operational reports by tuning joins, indexes, and filters, reducing long-running report execution time by approximately 25% on selected workflows.
- Wrote JUnit tests for service-layer and data-access changes, helping improve release readiness and reducing manual regression effort.
- Participated in peer reviews, release documentation, deployment validation, and on-call support for critical internal applications.
- Mentored newer developers and interns on debugging legacy Java/J2EE applications, writing cleaner SQL, and preparing pull requests for review.

Impact: Improved application stability, reduced report latency, supported faster defect turnaround, and established the foundation for later senior-level ownership at TraceLink, Realtor.com, and PayPal.

ChemGenes Corporation | Wilmington, MA

Software Developer / Java and Reporting Developer | 2016 - 2018

- Built Java/J2EE application enhancements for internal order, inventory, and workflow tracking systems, improving visibility across manufacturing and operations teams.
- Created SQL queries, stored procedures, and database views to support operational reporting and business-process analysis.
- Developed and maintained Crystal Reports for production, inventory, quality, and finance stakeholders, reducing manual spreadsheet consolidation.
- Created early PowerBI dashboards using curated data extracts, helping managers monitor production throughput, order status, and exception trends.
- Improved data quality by adding validation rules, exception reports, and reconciliation checks, reducing manual review effort for recurring operational processes.
- Collaborated directly with business users to gather requirements, study workflows, document system behavior, test changes, and support production fixes.

Impact: Reduced manual reporting effort, improved operational visibility, and helped business users make faster decisions using more reliable system data.

University of Massachusetts Boston | Boston, MA

Teaching Assistant, Computer Science | 2015 - 2018

- Assisted students with Java, object-oriented programming, SQL, algorithms, debugging, and software-design fundamentals.
- Led lab sessions and office hours focused on Java programming, database queries, web application concepts, and test-driven development basics.
- Reviewed assignments and provided structured feedback on code quality, correctness, edge cases, and maintainability.
- Mentored students transitioning from beginner programming to enterprise-style Java development; several students later moved into software engineering internships and full-time development roles.
- Built reusable examples and grading rubrics that reduced grading inconsistency and improved student understanding of core programming concepts.

Impact: Strengthened communication and mentoring skills while deepening expertise in Java, SQL, OOP, testing fundamentals, and software-engineering best practices.

Vats & Vessel | Mumbai, India

Junior Software Developer | 2013 - 2015

- Developed Java/J2EE modules for internal workflow, order tracking, and reporting applications using object-oriented design principles.
- Wrote SQL queries, joins, stored procedures, and data extracts for operational and management reporting.
- Supported UI updates using HTML, CSS, JavaScript, JSP, and early MVC patterns to improve usability for internal users.
- Fixed defects, documented changes, participated in peer reviews, and supported user-acceptance testing with business stakeholders.
- Automated recurring report preparation and reduced manual spreadsheet work for operations staff.

Impact: Built the foundation for an enterprise Java career, improved internal workflow efficiency, and reduced manual reporting time for business users.

CAREER PROGRESSION HIGHLIGHT

- Started as a junior Java/J2EE developer focused on internal tools, SQL, and reporting, then strengthened technical depth through graduate computer science work and teaching assistant responsibilities at UMass Boston.
- Moved into large enterprise production systems at United Airlines, gaining ownership of maintenance-mode systems, on-call support, defect RCA, release validation, and operational reporting.
- Advanced to senior ownership at Realtor.com and PayPal, leading Spring REST service enhancements, Angular UI workflows, reporting performance improvements, AI-assisted engineering practices, and mentorship for junior engineers and interns.