Mannan Javid

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Senior Software Engineer

Senior Software Engineer with 10+ years of experience across fintech, healthcare, public sector, and national security. Recognized for moving beyond fear-averse defaults to surface high-leverage options others overlook. Combines inventive thinking with optimization discipline to drive efficiency at scale, leveraging agentic AI, modern tooling, and advanced training to deliver outcomes once requiring senior or principal engineering teams.

Technical Skills

Programming Languages: Java, Kotlin, JavaScript ES6+, TypeScript, Python, Node.js
Frontend Frameworks: React, Angular (v12+), SolidJS, RxJS, NgRx, Angular Material, Tailwind CSS
Backend & Frameworks: Spring Boot, Flask, REST APIs, Microservices Architecture
Database Technologies: PostgreSQL, MySQL, MongoDB, NoSQL databases, SQL optimization
DevOps & Cloud: AWS (Certified Solutions Architect), Docker, Kubernetes, CI/CD pipelines, Git/GitHub
Testing & Quality: JUnit, Jest, Selenium, Automated testing, TDD/BDD methodologies
Specialized: Distributed systems, Parallel computing, Geospatial mapping (ArcGIS, Cesium.js, Leaflet.js)

Education

Bachelor of Science, Electrical Engineering ▪ George Mason University

Certifications

AWS Certified Solutions Architect (July 2025)
Security+ Certification (November 2025)
Splunk Certifications - Ongoing (October 2025)

Professional Experience

Senior Software Engineer ▪ Capital One / Auto Navigator Platform   Aug 2024 to Present
Technologies: Java, JavaScript, TypeScript, SolidJS, React, Angular, Spring Boot, AWS, Docker, Git

- Joined an understaffed team to deliver Auto Navigator trade-in within two months; led cross-functional alignment, mentored junior engineer, architected scalable document upload, launched on time, generating millions in revenue, and had a company-wide impact.
- Stabilized team through dual reorganizations by clarifying ownership, aligning engineers and leaders, eliminating orphaned work, refocusing on strategic priorities, and enabling execution that increased platform lead generation by millions overall.
- Led cross-team product standups during dual reorganizations, increasing visibility and show-and-tell sharing; reduced redundancy, minimized friction, protected focus, and sustained engineering efficiency and morale amid organizational uncertainty.
- Reduced code review cycles by 40% by leading cybersecurity remediation as Duty Champion, implementing automated security testing, and optimizing secure development workflows to strengthen platform security and delivery velocity.
- Delivered end-to-end features including REST API development, database design, and responsive frontend implementations with modern JavaScript frameworks.
- Designed and implemented scalable distributed systems architecture with cloud-native components on AWS, ensuring high availability and performance for mission-critical financial applications.
- Architect and develop full-stack customer features (Trade-In, Auto Loan Rates, Search) using React, SolidJS, Angular, and Spring Boot microservices, serving millions of users seeking vehicle financing solutions

Senior Software Engineer ▪ Publicis Sapient   April 2022 to May 2023
Technologies: Angular, TypeScript, Java, Spring Boot, ArcGIS, AWS, PostgreSQL, Docker

- Increased healthcare access by 20% by developing an enterprise-scale Angular mapping application with a Java Spring Boot backend, improving provider discovery for underserved communities through scalable, production-grade healthcare technology.
- Enabled scalable system growth by implementing object-oriented design patterns and a microservices architecture, ensuring maintainable, distributed systems capable of supporting enterprise workloads and evolving product requirements.
- Reduced defect rates by 33% by championing code quality improvements, introducing automated test coverage, and structured peer review processes that strengthened reliability, accountability, and engineering standards across teams.
- Improved user engagement and usability by building responsive UI/UX solutions using Angular Material and modern CSS frameworks, delivering accessible, high-performance interfaces across devices and healthcare user populations.

Professional Experience Continued

Radiant Solutions (now Maxar) ▪ National Security Applications   Dec 2018 to Apr 2022
Technologies: Angular, TypeScript, Java, Spring Boot, AWS, Kubernetes, REST APIs, Junit

- Engineered distributed Angular applications for geospatial mapping and probability simulation, delivering scalable, high-performance tools that supported national security decision-makers with data-driven insights and scenario analysis.
- Built responsive interfaces with real-time data visualization and parallel data processing using modern JavaScript frameworks, enabling rapid analysis, improved performance, and intuitive interpretation of complex, high-volume datasets.
- Collaborated with technical and business stakeholders to validate requirements, finalize specifications, and deliver clear technical demonstrations, ensuring alignment, feasibility, and successful adoption of complex engineering solutions.

Senior Software Engineer ▪ Capital One   Jan 2021 to Dec 2021
Technologies: Angular, TypeScript, Java, Spring Boot, AWS, Kubernetes, REST APIs, JUnit

- Modernized legacy Angular codebase serving 3M+ daily users, enabling zero-defect deployments through rigorous automated testing, strengthened quality assurance practices, and disciplined release processes across high-traffic production environments.
- Eliminated 100,000 API failures by owning critical Spring Boot microservices security updates, closing vulnerability vectors, and stabilizing distributed banking systems supporting high-volume, mission-critical financial operations.
- Built and maintained parallel processing systems to support high-throughput financial transactions, improving performance, reliability, and scalability across distributed services handling time-sensitive banking workloads.
- Won company-wide hackathon by delivering an innovative UX design and frontend implementation, recognized for creativity, usability, and practical impact on customer-facing digital experiences.

Software Engineer ▪ MITRE Corporation, R&D Division   Dec 2016 to Dec 2018
Technologies: Angular, JavaScript, Python, Java, OAuth2, JWT, PostgreSQL, GitHub

- Designed and developed Angular solutions supporting cloud adoption, cybersecurity, and IRS tax modernization initiatives, delivering secure, scalable applications impacting millions of taxpayers and enabling modernization of critical public-sector digital services.
- Conducted R&D on modern frontend architectures and distributed systems, implementing secure authentication flows using OAuth2 and JWT to strengthen application security, identity management, and compliance across enterprise platforms.
- Developed automated testing frameworks to improve software quality and release confidence, enabling consistent validation, faster feedback cycles, and reliable delivery across complex, distributed application environments.