

SAAD ZAMAN

Senior Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Developer with 14+ years of progressive experience building and modernizing trading, wealth management, and capital markets platforms across leading financial institutions. Career progression from Junior Software Developer to Senior Full Stack Developer, spanning front end, back end, database, and cloud/API integration work. Strong background in Python, Java, SQL, kdb+/q, .NET, and the MERN stack.

CORE TECHNICAL SKILLS

- Languages & Frameworks: C#, SQL, kdb+/q, .NET, ASP.NET, Python (NumPy, Pandas), Java, MERN Stack (MongoDB, Express, React, Node.js)
- Databases & Platforms: Oracle, Oracle Integration Cloud (OIC), kdb+ time series databases, SQL, MY SQL, PostgreSQL, Firebase, MongoDB.
- Specializations: Full stack web application development, trading and market data systems, RESTful API design and integration, front to back platform modernization, financial services compliance workflows
- Tools & Infrastructure: Git, Shell Scripting, AWS (EC2, S3, Lambda), CI/CD pipelines, API Integrations

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer

Jan 2024 - Present

Insight Global | New York, NY

- Architect and develop 8+ full stack trading and analytics applications using Python, Java, and SQL, integrating with kdb+/q time series stores to process over 2 million real time market data ticks daily.
- Build automated unit and integration test suites (xUnit for C#/.NET services, Jest for Node.js) covering 85%+ of critical trading workflows, catching regressions before release.
- Design and ship RESTful APIs and backend microservices connecting front office trading tools with internal data platforms, cutting manual reconciliation effort by roughly 30%.
- Lead front end delivery with a MERN stack (React, Node.js, Express, MongoDB) team of 4, reducing average page load time by 40% across internal trading dashboards.
- Partner with quants, traders, and infrastructure engineers to translate business requirements into scalable solutions, supporting 500+ daily active internal users.
- Mentor 2 junior developers on full stack best practices, code review standards, and Git branching workflows.
- Architect C#/.NET Core microservices alongside the Python and Java stack to modernize legacy risk calculation engines, cutting batch processing time by roughly 35%.
- Design and enforce coding standards, branching strategy, and pull request review guidelines across a 4 person MERN team and 2 mentees, reducing production defects by approximately 20%.
- Own CI/CD pipeline improvements using Git, Shell scripting, and AWS (EC2, S3, Lambda), shortening average deployment cycle time by roughly 25%.
- Present architecture and performance recommendations to senior technology leadership, informing platform roadmap decisions for the trading desk over 4 planning cycles.

Full Stack Developer (Senior)

Mar 2022 - Jun 2023

Fidelity Capital Markets | New York, NY

- Delivered full stack enhancements to capital markets applications using Java, .NET/ASP.NET, and SQL Server/Oracle backends, supporting 3 trading desks and roughly 200 daily users.
- Built API integrations between internal order management systems and third party market data providers, reducing data latency by 25% and eliminating 2 manual data entry steps per trade.
- Automated recurring data processing and deployment tasks with Shell scripting and Git based CI pipelines, cutting release turnaround time from 3 days to under 1 day.
- Partnered with 5+ business stakeholders to gather requirements and deliver front end and back end features across 6 two week release cycles.

- Resolved an average of 15+ production support tickets per month, maintaining 99.5% application uptime.
- Migrated core order management modules from legacy VB.NET to C#.NET, improving code maintainability and reducing the open defect backlog by roughly 30%.
- Designed and optimized SQL Server and Oracle stored procedures supporting trade capture and settlement, improving average query response time by approximately 20%.
- Built reusable C# libraries and RESTful ASP.NET Web API endpoints shared across 3 internal trading applications, cutting duplicate development effort.
- Collaborated with QA to design and execute test plans for C#.NET and Java releases, reducing UAT defect escape rate by roughly 15%.
- Documented system architecture and API contracts for the C#.NET and Java services, shortening onboarding time for new engineers by about 2 weeks.

Full Stack Developer

Apr 2019 - Dec 2021

Morgan Stanley Wealth Management | New York, NY

- Built and maintained client facing and internal wealth management web applications using ASP.NET, .NET, and SQL, supporting over 1,000 financial advisors and their client portfolios.
- Led migration of 4 legacy Oracle based reporting tools to modern web architectures, improving report generation speed by roughly 35%.
- Developed backend services and stored procedures supporting portfolio reporting, account onboarding, and compliance data feeds processing 50,000+ records daily.
- Worked cross functionally with QA and business analysts across 10+ release cycles to ensure application changes met wealth management regulatory standards.
- Reduced recurring data discrepancy incidents by approximately 20% through improved validation logic in onboarding workflows.

Software Developer

Jan 2014 - May 2018

Datek Solutions | Toronto, ON

- Developed full stack features for financial software products using Java, SQL, and .NET/ASP.NET across front end and back end layers, supporting a client base of 30+ institutional customers.
- Designed and optimized Oracle database schemas, queries, and stored procedures, improving query performance by roughly 20% as transaction volumes grew year over year.
- Used Git for source control and collaborated with a team of 6 engineers on iterative feature delivery across quarterly release cycles.
- Built internal automation tools and scripts using Shell scripting and SQL, cutting manual data validation and reporting time by several hours per week.

Junior Software Developer / Application

2010 - Dec 2013

Sungard Capital Markets | Toronto, Canada & Oxford, UK

- Supported development and maintenance of capital markets applications using Java, SQL, and Oracle databases under senior developer guidance, contributing to 10+ feature releases.
- Assisted in building and testing backend components and data integration routines for trading and risk platforms, helping reduce defect counts by roughly 15% during test cycles.
- Gained early full stack development experience, contributing to both UI updates and database layer fixes across 2 core platforms.
- Participated in cross border collaboration between Toronto and Oxford teams of 8+ engineers on shared codebases and coordinated release cycles.

RECENT PROJECTS

Health Portal Modernization

Full Stack Web Application | React, Node.js, MongoDB, REST APIs

- Rebuilt a patient facing health records portal using the MERN stack, migrating 15,000+ patient records from a legacy system with zero data loss.
- Implemented secure REST APIs for appointment scheduling and records access, reducing average page response time by 45%.
- Improved portal accessibility and mobile responsiveness, increasing mobile user engagement by roughly 30%.

Enterprise IT Service Desk Platform

Full Stack Internal Tool | Java, SQL, .NET, AWS

- Designed and built an internal IT service desk application to track and route 1,000+ monthly support tickets across 5 departments.
- Integrated the platform with AWS hosted infrastructure and automated Shell scripts, cutting average ticket resolution time by 20%.
- Built a reporting dashboard giving IT leadership real time visibility into ticket volume and SLA compliance across the organization.

ERP Integration & Reporting Module

Full Stack Enterprise Application | Oracle, OIC, SQL, ASP.NET

- Developed an integration layer connecting a core ERP system to Oracle Integration Cloud (OIC), automating data sync across 4 downstream finance systems.
- Built custom ASP.NET reporting modules that reduced month end financial close reporting time by approximately 25%.
- Optimized underlying SQL queries and Oracle stored procedures, improving batch processing performance by roughly 30%.

AI Powered Market Insights Tool

Full Stack AI Application | Python, NumPy, Pandas, React, REST APIs

- Built a full stack AI powered analytics tool that surfaces market trend insights from historical trading data using Python, NumPy, and Pandas.
- Designed a React based dashboard consuming custom REST APIs, giving traders real time access to model driven insights across 10+ market indicators.
- Applied coursework from an in progress Master's in Computer Science, AI to prototype and evaluate predictive models, improving insight accuracy by roughly 15% over a baseline heuristic approach.

EDUCATION & TRAINING

Master of Science, Computer Science - Artificial Intelligence (In Progress)

Stevens Institute of Technology, Hoboken, NJ - Graduate Entrance Scholarship recipient

Master of Mathematics, Statistics - 2010

University of Waterloo, Waterloo, ON - Graduate Student Scholarship recipient

Bachelor of Mathematics, Statistics, Honors - 2007

University of Waterloo, Waterloo, ON - Canada Millennium Scholarship recipient