SHEHMIR RANGWALA

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ShehmirRangwala.tech

Education

University of Texas at Dallas — **August 2020 – May 2024**
Bachelor of Science in Computer Science — *Richardson, Texas*
- **Relevant Coursework:** Machine Learning, Computer Vision, Digital Logics, Advanced Data Structures & Algorithms, C++/Linux/Java, Linear Algebra, Probability & Statistics

Experience

JP Morgan Chase & Co — **August 2024 – Present**
Software Engineer — *Plano, Texas*
- Modernized NAV analytics platform UI to **React**, delivering benchmark management subgrids and UX fixes that reduced manual steps and improved task accuracy for end users.
- Containerized and migrated backend services to **AWS EKS**; implemented **SQS** for async messaging, **CloudWatch** for observability, and **Liquibase** for versioned schema changes across **UAT**, **QA**, and **TEST** environments, improving rollout consistency and reliability.
- Hardened APIs and authentication, integrated messaging (**Kafka**, **MQ**), and led high-priority defect remediation in partnership with Operations; leveraged **AI tools** to accelerate analysis and resolution.

JP Morgan Chase & Co — **June 2023 – August 2023**
Software Engineer Intern — *Plano, Texas*
- Modernized legacy **SOAP** workflows to **REST** with **Spring Boot** and comprehensive **jUnit** tests, improving service reliability and developer velocity.
- Developed **AWS Glue** ETL with **PySpark** and **SQL** to process data into **Amazon S3**; collaborated in **Agile** teams using **JIRA** and **Bitbucket**.

Fluid Group LLC — **November 2020 – July 2022**
Co-Owner & Full Stack Engineer — *Remote*
- Built automation software in **JavaScript** and **Golang** generating **$1M+** revenue with **10,000+** successful purchases.
- Led **5** developers to deliver a cross-platform **Electron** app with a **Go gRPC** backend to production.

Projects

Price Error Monitor | *Golang, Redis, TLS Client, Discord API, Concurrent Programming* — **December 2025**
- Built scalable e-commerce monitoring system processing **50K+ products** with **concurrent workers** and **Redis** for real-time pricing error detection, achieving sub-3-minute full scans with tiered Discord alerts.
- Designed dual-mode architecture supporting API-based and sitemap-based discovery with **TLS fingerprinting** for anti-bot bypass and intelligent proxy rotation across distributed requests.

NFL Fantasy Football ML Predictor | *Python, XGBoost, LightGBM, Scikit-Learn, Pandas, NumPy* — **September 2025**
- Engineered end-to-end ML pipeline with **4-model ensemble** (Random Forest, Gradient Boosting, XGBoost, LightGBM) predicting fantasy points for **2,000+ active NFL players** using **15+ years** of historical data.
- Architected **position-specific feature engineering** incorporating rolling averages, EPA-based defensive rankings, injury factors, and temporal trends; implemented **Isolation Forest** outlier detection removing **20%+ anomalies**
- Automated weekly predictions via **ESPN/Sumer Sports API integration** with intelligent caching; generated floor/ceiling projections and uncertainty metrics for actionable lineup decisions

Leadership / Extracurricular

JP Morgan Chase & Co — **Summer 2025**
SEP Mentor — *Plano, Texas*
- ∗ Mentored summer interns through project delivery with code reviews and onboarding support aligned to React.

Delta Epsilon Psi Fraternity — **December 2021 – May 2024**
Vice President — *University of Texas at Dallas*
- ∗ Led executive board of a chapter with **50+** active members; served as **Treasurer** for a **500+** participant hackathon.

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, Golang, SQL, C++, Swift, C#
Cloud & DevOps: AWS (EKS, S3, SQS, Glue, CloudWatch), Docker, Kubernetes, Jenkins, CI/CD, Liquibase
Backend & Frontend: Spring Boot, React, NodeJS, REST, gRPC   **Messaging**: Kafka, MQ
Data & Tools: Oracle, PostgreSQL, MongoDB, Graph DB, Git, JIRA, Bitbucket, IntelliJ, VS Code, Linux, Agile/Scrum
AI/ML: Scikit-Learn, XGBoost, LightGBM, Feature Engineering, Pandas, NumPy, Agentic Programming, LLM, N8N
Certifications: AWS Certified Cloud Practitioner, PSM I, Eagle Scout