Anvay Paralikar

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Education

The George Washington University, Washington, DC *August 2024 – May 2026*
M.S. in Computer Science GPA: 3.6/4
Relevant Coursework: Design & Analysis of Algorithm, Software Engineering, Cloud Computing, Computer System Architecture, Machine Learning, Artificial Intelligence, DBMS, Trustworthy AI

University of Pune (SPPU) *August 2016 – May 2020*
B.E. in Computer Engineering GPA: 7.1/10

Skills

Languages: C++, Rust, Python, JavaScript, TypeScript, SQL (PostgreSQL, MS-SQL), C#, Bash, HTML
Frameworks: FastAPI, Node.js, .NET Core, React, REST APIs, Docker, Kubernetes, CI/CD
Cloud/Systems: Azure, AWS, GCP, Kafka, Redis, Distributed Messaging, OpenTelemetry
AI/Data: NLP, LLMs, LangChain, ONNX, POMDP, Analytics Pipelines

Professional Experience

PhillipCapital, Software Engineer *September 2022 – July 2024*

- Modernized a multi-asset trading platform on Azure and .NET by implementing asynchronous order routing and distributed caching, increasing throughput by **35%** and reducing p99 latency by 30%.
- Architected and deployed secure RESTful APIs with OAuth2 authentication, streamlining integration with external financial data providers and reducing integration time by 40%.
- Refactored 20+ stored procedures and integrated Dapper ORM, cutting query times by 40% and eliminating CPU spikes during peak trading.
- Led real-time dashboard development for unlisted share trading using .NET, Azure Jobs, and streaming feeds, boosting engagement among high-net-worth clients by 15%.
- Engineered low-latency order paths in C++17 and JavaScript, reducing tick-to-trade latency by 30% and supporting HFT strategies.
- Coordinated 10+ cross-functional releases annually with CI/CD pipelines, mentored 2 junior developers, and improved deployment reliability while reducing production incidents.

PhillipCapital, Junior Software Engineer *April 2021 – August 2021*

- Built an automated eKYC and PMS onboarding platform using C#, Azure Functions, and Cognitive Services, cutting verification errors by 50% and doubling throughput.
- Developed a TypeScript-based real-time trade alert system, reducing customer support tickets by 30% and improving system reliability.
- Implemented full encryption for sensitive financial data (at rest and in transit), ensuring compliance with SEC/CFTC regulatory standards.
- Engineered CI/CD pipelines with Jenkins and Git, achieving fully automated deployments and reducing manual deployment errors by 60%.

Academic Projects

Textguard Risk & Compliance (Python, LLM, Flask, NLP) *Occtober 2025 – December 2025*

- Built an end-to-end compliance intelligence system to ingest IDB reports and extract governance risk insights using topic modeling, sentiment scoring, and LLM-based summarization.
- Achieved 80% precision and 75% recall in governance risk classification; deployed a Flask dashboard for real-time decision support.

Intelligent Task-Planning Copilot (Python, POMDP, LLMs, FastAPI) *September 2025 – October 2025*

- Designed an autonomous task-planning agent using LLM-driven language parsing and POMDP reasoning for adaptive workflow automation.
- Improved task completion efficiency by 30% through dynamic re-planning and modular, reusable architecture.

Telehealth Dashboard (Rust, Python, JavaScript, MongoDB, Google APIs) *May 2025 – June 2025*

- Built a Rust-based web app with a Python analytics layer, MongoDB backend, and Google Maps APIs to deliver a real time filtering dashboard for the location, rating, and specialty of doctors & health services (hospitals,medical insurance) that resulted in improving decision-making efficiency by 30%.