

Naveen Gurram

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Summary

Technology Leader with 20 years of experience specializing in software development and architecture delivering competitive advantages and driving transformative change across diverse industries. Proven ability to conceptualize and execute program visions from inception to completion, managing complex milestones while adapting to changes and shifting priorities. Led cross-functional teams in delivering strategic initiatives proven to improve systems, processes and bottom-line results.

Technologies

Programming: Java, TypeScript, Python, JavaScript, NodeJs, Go

Frameworks: React, Angular, Kafka, Airflow, Bigdata, Apache Beam, Spring Boot

AI: Machine Learning, MCP Servers

Databases: Oracle, PostgreSQL, MongoDB

Cloud: AWS, GCP

Experience

Principal Engineer & Architect, Finra – Rockville, MD

Aug 2014 – present

- Led infrastructure initiatives including the creation and deployment of MCP servers, delivering scalable and reliable backend processing for regulatory applications
- Selected for the FINRA Leadership Development Program at Wharton, enhancing executive decision-making and strategic leadership capabilities.
- Developed a high-throughput reverse proxy in Go, serving as an Identity Gateway for 750,000+ NMLS users interacting with downstream microservices.
- Designed and led the modernization of the NMLS system to a cloud-native stack with microservices and event-driven architecture, enhancing the user experience for 750K users
- Designed and led the development of a cloud-native Data Collection System, improving data collection speed by 30% and reducing time to market for new regulations by 25%.
- Developed a data validation framework using JSON Schema, enabling non-technical users to create data validation rules, reducing reliance on IT support by 40%.
- Spearheaded the design of a Redis-based temporary cache for the NMLS modernization project, enhancing user experience and reducing database load times by 50%.
- Led the development of a Random Forest model for content classification, reducing manual classification work by 60% for regulatory purposes.
- Mentored a team of 8 engineers, conducted code reviews, and established best practices, increasing team efficiency by 20%.

Software Consultant - Backend Engineering, Westat – Rockville MD

Oct 2012 – Aug 2014

- Developed integrations with 10 Medidata Rave systems for real-time, peer-to-peer communication.
- Developed single sign-on screen for Center and Open web applications improving login for 100+ user types in the system.

Software Consultant - Backend Engineering, DTE Energy – Detroit, MI

Jan 2011 – Oct 2012

- Designed and developed Easement management system to support 100k easements for solar and wind generation using JSF rich faces
- Designed and developed REST-based services to enhance billing kiosk efficiency, increasing transaction rates by 50%

Software Consultant - Backend Engineering, Jackson National Life Insurance – Lansing, MI July 2010 – Jan 2011

- Developed a module for tax-loss harvesting within the Curian system

Software Consultant - Backend Engineering, AT&T – San Ramon, CA Mar 2005 – July 2010

- As offshore coordinator oversaw delivery of AT&T wireline ordering systems.
- Developed Services using Stateless Session Beans to interact with Mainframes as part of ordering system.
- Replaced the Blue Martini system with Drools, reducing annual licensing costs by \$1 million.

Certifications

AWS Certified Solutions Architect - Associate (expired)

SUN Certified Java Programmer (formerly SCJP)

Projects

IsItUp Chrome Extension github.com/NaveenGurram/IsItUp

- Chrome plugin that enables you to configure endpoints you want to watch for their http status and provides a dashboard view of all configured endpoints in a nice tabular format.
- Tools Used: Javascript, JQuery, Chrome Extension

Education

Wharton School of Business, University of Pennsylvania, Executive Education in FINRA Leadership Development Program 2025

Kakatiya University, MS in Information Systems – India Sept 2001 – May 2003

Kakatiya University, BS in Computer Applications – India Sept 1998 – May 2001