

# Naveen Gurram

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## Summary

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Technology Leader with 20 years of experience in software architecture and development, specializing in driving transformative change across diverse industries. Proven track record of setting technical direction, leading cross-functional teams, and delivering complex projects ahead of schedule and under budget. Expertise in designing scalable architectures, implementing best practices, and mentoring teams to enhance productivity and innovation.

## Education

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- MS**    **Kakatiya University**, Information Systems India  
Sept 2001 – May 2003
- GPA: 3.4/4.0
  - **Coursework:** Artificial Intelligence; Mobile Communications, Cryptography and Network Security, Information System Auditing, Data Warehousing and Data Mining, Parallel Processing
- BS**    **Kakatiya University**, Computer Applications India  
Sept 1998 – May 2001
- GPA: 3.0/4.0
  - **Coursework:** Operating Systems; Databases, Algorithms, Programming Languages, Computer Architecture, Computer Networks, System Analysis and Design

## Experience

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- Finra**, Principal Engineer Rockville, MD  
Aug 2014 – present
- 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%.
- Westat**, Software Engineer Consultant Rockville, MD  
Oct 2012 – Aug 2014
- Modified and optimized the OPEN system to generate reports for CTSU protocol studies, resulting in a 40% reduction in offline report generation costs.
  - Developed and integrated SOAP web services to improve information sharing across various RAVE systems, reducing Cancer Trial registration time by 15%.
  - Collaborated with stakeholders to define requirements, align technical solutions with business objectives, and enhance system functionality.
- DTE Energy**, Software Engineer Consultant Detroit, MI  
Jan 2011 – Oct 2012
- Designed and developed the Solar Wind Easement Management (SWEM) System, automating maintenance processes and reducing operational costs by 40%.

- Created a Billing API for kiosk systems, enabling offline payments and reducing field meter reading costs by 30%.
- Facilitated technical discussions, architectural reviews, and code audits to ensure compliance with industry standards.

**Jackson National Insurance**, Software Engineer Consultant

Lansing, MI  
July 2010 – Jan 2011

- Developed critical modules for year-end rebalancing at Curian Capital Asset Management, reducing process time by 25%.
- Designed an Eclipse plugin to automate the conversion of XML to JIL (Job Information Language) for AutoSys scheduling, improving scheduling efficiency by 20%.

**ATT**, Software Engineer Consultant

San Ramon, CA  
Mar 2005 – July 2010

- Led the development of the Single Web Ordering Tool (SWOT) for DSL and landline services, achieving a 15% increase in order processing speed.
- Managed the migration of product configuration rules from Blue Martini to Drools, reducing licensing costs by \$500,000 annually.
- Created a WebSphere Resource Configurator tool, automating resource creation and boosting developer productivity by 30%.

## Leadership and Architectural Achievements

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- Defined and implemented architectural standards and best practices for cloud-native applications, improving scalability and reducing operational costs.
- Conducted design and code reviews, fostering a culture of quality and innovation across multiple teams.
- Established a mentoring program for junior developers, resulting in a 30% increase in promotion rates within the team.

## Certifications

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**Ongoing training in Cloud Architecture, DevOps practices, and Machine Learning through Coursera and Udacity**

2020 – present

**AWS Certified Solutions Architect Associate**

2016 – 2018

**SUN Certified Java Programmer**

2007 – 2010

## Projects

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**IsItUp Chrome Extension** [github.com/NaveenGurram/IsItUp](https://github.com/NaveenGurram/IsItUp)

2020

- 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

**Eclipse Plugin**

2011

- Eclipse plugin that functions as a context menu, allowing users to convert a XML to JIL(Job Information Language) file for use in AutoSys scheduling.
- Tools Used: Java, Eclipse Plugin Framework

**WebSphere Resource Configurator**

2010

- Developer tool automating Websphere configuration for creating resources like Database configuration pool, creating JMS queues etc.
- Tools Used: Jython, XML

## Technologies

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**Languages:** Java, TypeScript, Python, SQL, JavaScript

**Frameworks:** Spring, Redis, Drools, Chrome Extension Development, Airflow, Kafka

**Database Technologies:** Relational Database, NoSql Databases

**Cloud Platforms:** AWS, GCP

**Machine Learning:** Random Forest Model

**Development Tools:** JIRA, Git, IntelliJ IDEA