Naveen Gurram

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Experience

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%.

Leadership and Architectural Achievements

- 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

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

IsItUp Chrome Extension 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 Configuration   2010

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

Education

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

Technologies

Languages: Java, TypeScript, Python, JavaScript, RDS, NoSql, AWS, GCP, Kafka, Airflow