

# Narasimha Gaonkar

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Portfolio: [narasimha-gaonkar.github.io](https://narasimha-gaonkar.github.io)

## SUMMARY

Experienced **Full Stack Software Engineer** with 4 years of expertise in Web Development for financial services (**FinTech**). Skilled in designing, developing, and maintaining scalable software applications, prioritizing performance optimization and security.

## EDUCATION

- **University at Buffalo, The State University of New York** Buffalo, USA  
*Master of Science in Data Science; GPA: 3.6* Aug 2022 - Jan 2024
- **Bangalore Institute of Technology** Bengaluru, IN  
*Bachelor of Engineering in Computer Science; GPA: 8.0* Jun 2014 - May 2018

## SKILLS

- **Programming Languages:** JavaScript, Typescript, Java, Python, SQL, HTML, CSS, SASS
- **Frontend Technologies:** ReactJS, Angular, Next.js, React Native, Redux, Ajax, jQuery
- **Backend Technologies:** J2EE, Spring Boot, Hibernate, RESTful APIs, Node.js, Express.js, GraphQL
- **Frameworks & Tools:** SQL, NoSQL, Git, CI/CD, AWS, Jenkins, Docker, Kubernetes, TDD, Enzyme, Postman, Swagger

## EXPERIENCE

- **LexisNexis Risk Solutions** Atlanta, USA  
*Software Engineer III* May 2024 - present
  - Designed and implemented a multi threaded, parallel-processing Java tool to convert and reformat millions of daily insurance contribution records into JSON.
  - Developed and implemented automation solutions for key Insurance process workflows, significantly reducing manual intervention and improving overall efficiency.
  - Efficiently handled and processed petabytes of insurance-related data using distributed computing framework on HPCC (High- Performance Computing Cluster).
- **Harman International** Bengaluru, IN  
*Senior Software Engineer* Jan 2022 - Jul 2022
  - Collaborated with Data Engineering team to develop user-friendly web interface for Data Modelling in Angular 13.
  - Created more than 10 UI wireframes to enhance site interaction and accessibility, employing user-centered design principles and close collaboration with stakeholders to achieve seamless and inclusive user experience.
  - Cooperated with data engineering and data modeling teams to develop real-time data visualization dashboards and integrated them with data pipelines, enabling stakeholders to make data-driven decisions effectively.
  - Participated in agile sprint planning and leading scrum to drive product implementation. Mentoring peers through Software Development Life Cycle (SDLC).
- **Infosys** Pune, IN  
*Senior Software Engineer* Jul 2018 - Jan 2022
  - Worked onsite in **Amman, Jordan** for the second-largest bank on implementation of Mobile Banking. Coordinated with onsite business and IT teams to translate business requirements into technical requirements, including establishing delivery timelines and deliverables.

- Led team of 4 to develop and publish mobile app utilizing Angular, JavaScript, TypeScript, HTML, and CSS, resulting in a 20% increase in user satisfaction; Over 150k Play Store downloads to date.
- Utilized Java/J2EE, Spring Boot, and Hibernate to design and develop scalable and secure enterprise applications for financial services. Designed testing frameworks using Junit, JMeter, and Postman for unit, integration, and smoke testing.
- Worked on implementation of change requests, testing, and code deployment. Product delivery through beta and production cycles. Utilized Jira for user stories, sprint planning, and backlog management.
- Implemented comprehensive testing strategies, leveraging Jest and Enzyme for unit testing and Cypress for integration testing. Achieved a significant 15% reduction in post-deployment issues through rigorous testing protocols.

## PROJECTS

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- **Old Age Home Database Management System (PostgreSQL, Web Development, Tableau):** Designed comprehensive Database Management System for an Old Age Home to efficiently handle medication management through optimized queries and user-friendly dashboard. Leveraged PostgreSQL and web technologies for analytical and usage statistics, along with reminders for timely medication administration.
- **Street View House Number Identification (Deep Learning, Image Processing, AlexNet):** Built custom Convolutional Neural Network (CNN) from scratch using PyTorch for identifying Street View House Numbers on Google SVHN dataset. Incorporated various augmentation techniques to increase size and diversity of training data. Optimized model's performance and generalization by fine-tuning hyperparameters; Obtained test accuracy of 93.4%.
- **SuperMario Reinforcement Learning Agent (Machine Learning):** Generated Super Mario-themed Grid-World environment in accordance with OpenAI Gym standards, trained RL agents using SARSA and Q-Learning with an average total reward of 500 points, and obtained an accuracy of 90% in evaluating learned policies.

## CERTIFICATIONS

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- Infosys Certified Agile Developer
- Tableau Certified Data Analyst

## VOLUNTEERING

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- **Open Data Science Conference:** Event organization at global AI and Data Science Community
- **Disaster Accountability Project:** React Web Application for Disaster and Humanitarian Relief