VENKATESHAN KOKKATTU

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Software engineer with 3.5+ years of experience in QA automation, project management, and web app development. Skilled in building efficient testing frameworks, improving release processes, and delivering high-quality products. Experienced in leading teams and achieving measurable results in dynamic work environments.

EDUCATION

Boston University, M.S. in Computer Science (GPA: 4.0)   May 2025
Mumbai University, B.S. in Computer Science (GPA: 3.97)   June 2021

WORK EXPERIENCE

Twelve Springs Limited

Project Manager - Agile   Mar 2023 - Jan 2024

- Directed a cross-functional team of 15 members to streamline project delivery processes and boost customer satisfaction, resulting in a 20% increase in on-time project completions.
- Facilitated client collaboration to clearly define project scopes and objectives, reducing project timelines by an average of 2 weeks and ensuring alignment with stakeholder expectations.
- Implemented daily progress tracking reports and adjusted project strategies as needed, doubling bottleneck resolution speed and reducing timeline delays, saving an additional $45,000 in project overhead costs.

Quality Assurance Automation Engineer   Apr 2021 - Mar 2023

- Revamped the end-to-end testing strategy with Cypress.io and TypeScript in Visual Studio, increasing test execution efficiency by 2x and reducing release cycles by 3 days through streamlined CI/CD workflows.
- Developed comprehensive test plans and flow-based cases aligned with business requirements, decreasing regression-related bugs and saving over 100 hours of debugging time per release cycle.
- Simulated real-world conditions, such as device rotations and peak traffic scenarios, improving system stability and cutting average response times from 1.2 seconds to under 0.9 seconds across QA and production.
- Designed and implemented performance monitoring dashboards, reducing incident resolution times by 40% and ensuring consistent application uptime.

Godrej Security Solutions

Software Engineering Intern   Oct 2020 - Feb 2021

- Competitively selected from a pool of 200+ IT candidates to join Godrej's pioneering IoT program, contributing to cutting-edge connected home solutions.
- Assisted in defining functionality and conducting UX testing for a next-generation home protection device, ensuring intuitive usability and seamless performance.
- Supported the creation of a web- and mobile-based companion app that integrated the device with other IoT products in the home ecosystem, enhancing interoperability by 20% and accelerating troubleshooting response times through streamlined communication protocols.

Seagull International

Software Development Intern   Feb 2019 - May 2019

- Developed responsive, cross-device websites using Bootstrap, making the platform accessible to an additional 1.5 million users and improving page load speeds from 3.2 seconds to 2.7 seconds.
- Designed and implemented mobile-first UI components with precise attention to scalability and browser compatibility ensuring seamless functionality across 20+ device types.
- Collaborated with team members in agile sprints, utilizing Bitbucket for version control to ensure seamless integration and timely delivery of front-end features.

ACADEMIC PROJECTS

Quiz Architect
- A web-based quiz platform allowing users to create customizable quizzes with text or image-based questions.
- It provides immediate results, detailed statistics, and supports various use cases—from education to corporate training—fostering engagement and continuous improvement.

Cloak Feedback (GPT-3.5-turbo)
- A secure web application for sending anonymous messages. Users access a streamlined dashboard to view and manage messages.
- Integrated OpenAI features offer intelligent message suggestions, encouraging honest feedback and enhancing user experience.

Cold Email Generator (Llama 3.1):
- An AI-powered tool that uses Llama 3.1 to craft personalized, high-impact cold emails for job seekers.
- It optimizes outreach to recruiters, improves engagement, and drives higher response rates, ultimately accelerating the job search process.

CORE SKILLS

Python | JavaScript(ReactJS, Next.js) | Bootstrap | C# | .NET | Cypress.io | Unity | Firebase | MongoDB | Agile | JIRA | Confluence