Rohan M. Rokkam

Minneapolis, MN • rmrokkam@hotmail.com • (952) 913 - 4397 • linkedin.com/in/rohanrokkam • rohanrokkam.com

Software Engineer with experience building and maintaining backend systems for **healthcare, public safety, and enterprise data platforms**. Proven ability to design reliable, scalable services, automate critical workflows, and ensure data accuracy in mission-critical environments. Strong background in Java, cloud-native architectures, Agile development, and cross-functional collaboration. Passionate about leveraging technology to improve outcomes in healthcare and patient-centered systems.

PROFESSIONAL EXPERIENCE

Software Developer   *Mar 2025 – Present*
Phaedon

- Develop and maintain backend systems for enterprise hotel loyalty programs (e.g. Hilton Honors, Hyatt Loyalty) using **Java**, **Spring Boot**, and **Kotlin**.
- Build RESTful APIs, batch processes, and optimized Microsoft SQL scripts supporting **high-volume, data-centric workflows** including accruals, redemptions, promotions, and member management.
- Implemented a high-throughput bonus batch job that improved bonus awarding and audit documentation efficiency by **10×**.
- Contributed to backend refactoring and codebase cleanup, improving performance, maintainability, and system stability.
- Work in a cloud-native, event-driven environment leveraging **AWS**, **Kafka**, **Redis**, **Docker**, **Kubernetes**, **Helm**, and CI/CD pipelines via **GitHub** and **Jira**.

Software Automation QA Intern   *May 2023 – Aug 2023*
ImageTrend

- Supported quality assurance for **healthcare and public safety software platforms** used by EMS agencies, hospitals, fire departments, and government entities nationwide.
- Developed and maintained **automated test suites in C#** to validate data accuracy, system reliability, and regulatory reporting workflows.
- Tested critical systems handling **EMS field data, hospital integrations, and compliance-driven documentation**, ensuring high availability and correctness.
- Collaborated closely with software engineers and product teams throughout the **SDLC** to identify defects, verify fixes, and improve system quality.
- Participated in **Agile Scrum** practices including sprint planning, standups, and code reviews, contributing to continuous delivery and quality improvement.

PROJECTS

Rohan's Sandbox   *January 2025*
https://rohanrokkam.com

- Created a portfolio website using **MySQL**, **Java Spring Boot**, and **ReactJS** to demonstrate full-stack abilities.
- Built a full-fledged CRUD application using modern web technologies (**Patient Management System**).
- Prioritized agile methodologies, rapid application development, scalable designs, and WCAG compliance.
- Completed construction of the full-stack project in less than 3 weeks.

Makeathon Winner (3rd Place)   *February 2023*
UMN College of Science and Engineering

- Developed an AI-powered healthcare application that translates medical prescription information into layman's terms in multiple languages, improving accessibility for diverse users.
- Engineered the application using **JavaScript, Python**, and **CSS**, integrating the OpenAI API to provide real-time, context-aware medical translations and insights.

LEADERSHIP EXPERIENCE

Director of Risk Management   *Dec 2022 – Oct 2023*
UMN Delta Tau Delta

- Oversaw social events with 250+ attendees, implementing risk management strategies for event safety.
- Managed a team of sober monitors and ensured adherence to safety protocols.

Chief External Affairs Officer   *February 2023*
UMD Student Association

- Built relationships with local and state government officials to advocate for student interests.
- Organized community events to strengthen campus-community connections.
- Orchestrated a university-wide advocacy event at the state capitol, securing increased funding by requesting $4.4 million from the state.

EDUCATION

University of Minnesota, Twin Cities   *May 2024*
B.A. in Computer Science, Minor in Leadership

SKILLS

Programming Languages: Java, Javascript, Python, C, C#, C++, Kotlin, HTML, CSS, MySQL, SQL, 86-64x, OCAML

Tools, Technologies & Methodologies: ReactJS, REST API, Maven, MVC Framework, AI/ML, Pandas, PyTorch, Docker, Kubernetes, Power BI, Azure DevOps, Jira, AWS Cloud Services, Agile Development, Rapid Application Development, Git