

# RAMI-LIONEL KUTTAB

917-994-5360 • rlk\_23@outlook.com • //www.linkedin.com/in/rami-kuttat/ • //ramiokuttat.com/

## WORK EXPERIENCE

### Flow, Remote: Senior Full-Stack Engineer

June 2024 - Present

- Developed and deployed a React-based front-end interface, improving UI/UX elements such as navigation and page load speed, resulting in a 15% increase in user engagement.
- Implemented efficient APIs using Django and optimized database queries, leading to a 15% enhancement in data retrieval speed and supporting 20% more concurrent user requests.
- Conducted thorough quality assurance testing, detecting and resolving 90% of bugs before the production release, significantly improving system stability.
- Managed live production deployments and integrations, reducing deployment time by 15% through the use of a CI/CD pipeline with GitHub Actions, ensuring smoother and more reliable releases.

### BGC Partners, New York, NY: Software Engineer Intern

June 2022 - August 2022

- Achieved 25% faster processing by switching to parallel implementation, based on measured execution times and collaborative programming.
- Realized 40% better data processing by creating three new software programs that outperformed the previous system in processing speed and resource use.
- Enhanced team efficiency by automating version tracking and emails using Python and Panda's library, resulting in average time savings of 1 hour per team member per update cycle and smoother project progression.
- Conducted 50+ code reviews, elevating code quality and performance by 12%, while fostering team growth through collaborative feedback and knowledge sharing.

## EDUCATION

### M.S., Computer Science

Graduated May 2024

Syracuse University, Syracuse, NY

School of Engineering and Computer Science

Relevant coursework: Algorithms, Data Science, Operating System, Natural Language Processing, Computer Architecture

### B.S., Computer Science

Graduated May 2022

Syracuse University, Syracuse, NY

School of Engineering and Computer Science

Relevant coursework: Data Structure, Machine Learning, A.I., Object Oriented in C++, Algorithms, Agile Development, Software Development

## ACADEMIC PROJECTS

### Realtor Management SaaS - Backend Developer

April 2024 - August 2024

Designed a comprehensive SaaS platform for realtors to streamline operations.

- Implemented Microservices Architecture to enhance scalability, using modular services and Docker with Kubernetes for deployment.
- Established reliable inter-service communication with REST APIs and RabbitMQ, ensuring seamless data flow across services.

### Healthcare Management System - Backend Developer

January 2024 - March 2024

Enhanced performance for a healthcare management platform by implementing a caching layer, improving data retrieval times and system responsiveness.

- Integrated Redis to cache patient records and frequently accessed appointment data, reducing database query load by 35% and improving response times for medical staff.
- Designed and implemented caching strategies with automated cache invalidation, ensuring that patient data remained accurate and up-to-date in a high-demand environment.

### College Database Management System - Database Developer

September 2023 - November 2023

Developed a comprehensive database system to manage college operations, including class schedules, enrollment, and student records.

- Designed and implemented relational database schemas to handle complex relationships between students, classes, instructors, and schedules.
- Streamlined enrollment processes and automated class scheduling, improving data accuracy and administrative efficiency.

## TECHNICAL SKILLS

**Programming:** Python, C, C++, C#, Java, HTML, CSS, JavaScript, Oracle, Linux, TypeScript, React Native, Swift, Julia, Rust, Django, Tailwind

**Database Management:** SQL, PostgreSQL, SQLite

**Software:** Docker, AWS, Azure, Visual Studio

**Certifications:** AWS Certificate for Developers