CHAITANYA RATNAPARKHI

Jersey City, NJ **|** +1 (201) 275-7079 **|** chaitanyacratnaparkhi@gmail.com **|** LinkedIn **|** portfolio

PROFESSIONAL SUMMARY

Full-stack software engineer with experience delivering scalable web platforms, cloud-hosted services, and production-ready applications. Proficient in **React**, **Java**, **Spring Boot**, and **RESTful API** development, with a strong focus on performance optimization, automation, and distributed system design. Known for reducing latency, improving reliability, and accelerating feature delivery in Agile environments.

TECHNICAL SKILLS

- **Frontend:** React.js, Redux, TypeScript, JavaScript (ES6+), Tailwind CSS, Responsive Design
- **Backend:** Java (8/11/17), Spring Boot, Spring MVC, Spring Data JPA, Node.js, Express
- **Automation & Scheduling:** Bash, Batch Processing, Cron, AutoSys, CA7
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), CI/CD, Git, Containerization
- **Databases:** PostgreSQL, MySQL, Oracle SQL, Query Optimization, Data Modeling
- **Engineering Practices:** Microservices, Distributed Systems, Performance Tuning, Agile, Scrum

PROFESSIONAL EXPERIENCE

Software Developer | Sikhi Solutions Inc., Howell, NJ   **Aug 2025 – Present**
- Delivered full-stack features using **React**, **Spring Boot**, and **REST APIs**, supporting scalable enterprise applications.
- Built reusable **TypeScript** and **Tailwind CSS** components to reduce code duplication and improve maintainability.
- Automated backend workflows using **Bash scripting** and scheduled jobs to eliminate manual processing steps.
- Optimized database queries and service logic to improve overall API performance and responsiveness.
- Implemented unit tests, structured logging, and monitoring to enhance system reliability and production stability.

Full Stack Developer - Data Platform UI | JP Morgan Chase, Jersey City, NJ   **May 2024 – April 2025**
- Built React + TypeScript interfaces rendering 10K+ financial records with consistent UI performance.
- Applied memoization and selective re-renders to prevent unnecessary updates and improve efficiency.
- Architected Express.js REST APIs with layered middleware to standardize backend request handling.
- Implemented authentication, validation, and logging middleware to improve API security and traceability.
- Refactored complex SQL joins and added indexed query paths to optimize database performance.
- Reduced redundant backend transformations, improving dashboard load times by 35%.
- Enforced request-level validation and schema checks to prevent malformed payload propagation.
- Traced production latency issues end-to-end from frontend rendering to database execution plans.

Software Analyst | Innovatus Technologies, India   **Aug 2021 – Jul 2023**
- Improved backend throughput by 25% through optimized API request handling and service refactoring.
- Designed event-driven integrations supporting real-time and batch processing, reducing delays by 30%.
- Modernized legacy modules to align with microservice architectures, increasing system stability by 35%.
- Optimized data models and complex **SQL** queries to improve reporting accuracy and analytics turnaround time.

PROJECTS

AI-Powered Portfolio Chatbot   **May 2025**
- Built an AI assistant using **LLM APIs** for real-time portfolio queries with sub-second response times.
- Designed a responsive **React** interface and stateless backend, ensuring scalability and 99.9% uptime.
- Added structured logging and fallback logic, reducing service failures by 30%.

ArtistHub Platform   **May 2024**
- Developed a full-stack marketplace using **React**, **Spring Boot**, and RESTful services.
- Optimized routing and database operations, improving response performance by over 60%.
- Implemented automated **CI/CD** pipelines, reducing deployment time and release defects by 35%.

JSON REST API for User Forums   **Sep 2023**
- Created RESTful services for authentication, discussion threads, and content management.
- Modularized backend logic and added monitoring, achieving 99% API reliability.

Skin Disease Detection Using Machine Learning   **Aug 2022**
- Built and fine-tuned a **CNN** model achieving over 90% classification accuracy.
- Reduced inference latency by 25% through model optimization and efficient preprocessing.

EDUCATION

Master of Science in Computer Science   **May 2025**
Stevens Institute of Technology, New Jersey, USA

Bachelor of Engineering in Computer Science   **June 2023**
Marathwada Mitra Mandal's College of Engineering, India