AAYUSH KUMAR

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Boston, MA

EDUCATION

- **Northeastern University** *May 2026*
  Master of Science in Computer Software Engineering Boston, MA
  ◦ Relevant Courses: Object Oriented Design, Web Design and Program Structures and Algorithms

- **National Institute of Technology Warangal** *May 2021*
  Bachelor of Engineering in Electrical and Electronics Engineering Telangana, India
  ◦ Relevant Courses: Problem solving and Computer Programming, Data Structures, Database Management Systems

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, Java, C#, Javascript, HTML/CSS, Perl
- **Cloud / DevOps:** Docker, AWS(S3, EC2, RDS), GCP, Azure Pipelines, Jenkins, CI/CD pipelines
- **Database Systems and CI/CD:** MongoDb, Redis, SQL, Solr, Algolia
- **Software and Tools:** Agile, GitHub (Version Control), Dbeaver, Docker, Kafka, Jira, Webhook, Swagger, Junits, Linux
- **Web Frameworks:** Spring boot, React.js, Node.js, Redux, Angular, Rust

EXPERIENCE

- **AJIO (Reliance Jio Infocomm Ltd)** *October 2022 - June 2024*
  Software Development Engineer Bangalore, India
  ◦ Optimized Solr Indexer using Java and Spring Boot, improving indexing speed by 15% and reducing memory usage by 25%, while deploying optimized pods on Kubernetes for scalability and efficiency
  ◦ Developed and deployed a Node.js-based cart order proxy microservice, improving session management
  ◦ Led the Tag Migration feature using Kafka, reducing Solr dependency by 15% and optimizing API-based data transfers
  ◦ Automated data validation for 1,000+ UAC files, streamlining user onboarding in MongoDB
  ◦ Significantly expanded test coverage for the Search Service, increasing it from 62% to 71% using JUnit and Mockito across cloud-hosted systems

- **Sapiens International Corporation** *June 2021 - May 2022*
  Software Developer Bangalore, India
  ◦ Built advanced backend search functionality using Spring Boot, deployed on AWS, enhancing customer experience by 5-6%
  ◦ Automated, testing and debugging of microservices, increasing product robustness by 8-10%
  ◦ Developed key task features in a React.js app, improving frontend performance for 200+ users

PROJECTS

- **FixFinder Web-Based Service Provider Platform** *December 2024*
  Tools: Javascript, TypeScript | [Github](#)
  ◦ Built an Ecommerce platform for multilingual service bookings with seamless UI/UX, clean code, and API integration
  ◦ Designed a RESTful API with Express.js and MongoDB, integrating PWA features for 90%+ offline user engagement

- **FIFA Game and Betting Simulator Application** *December 2024*
  Tools: JavaScript, Java, PostgreSql
  ◦ Built interactive UIs using React.js and JavaScript, integrating secure authentication, authorization, email verification, Git for version control, robust API integration, and enhanced web security for improved user experience
  ◦ Engineered a Soccer Betting App with Spring Boot and PostgreSQL, optimizing CRUD operations for 500+ daily transactions and boosting system performance by 25%