

# Akhil S Nair

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## EDUCATION

### University of Illinois Chicago (UIC)

MS in Computer Science

Chicago, IL

Aug. 2024 – May 2026

### APJ Abdul Kalam Technological University

BTech in Computer Science and Engineering

Kerala, India

Aug. 2017 – June 2021

## EXPERIENCE

### Associate Software Engineer II

RxLogix Corporation

Nov 2021 – May 2024

Noida, India

- Contributed to the development of PVCMM, a leading product in Pharmacovigilance, by introducing new features, resolving issues, and transforming the backend to be API-based, moving from Groovy Server Pages (GSP) to RESTful APIs.
- Served on the continuous engineering (CE) team, handling client-reported issues with quick fixes and immediate responses
- Utilized Spring AOP to design and implement an email intake feature, enabling automated case creation through email parsing and integrating sender acknowledgment emails into the system.
- Integrated WHO and KOREA MFDS Dictionaries into the product browser, facilitating efficient combined search and selection. Restructured code logic, improving performance by 15% and significantly reducing load times.
- Tech Stack: Java, SpringBoot, Groovy, Grails, Redis, Elasticsearch JavaScript, JQuery, HTML, CSS, Bootstrap.

### Software Engineer Intern

Cognetry Labs Inc.

Jan. 2021 – July 2021

Remote (California, USA)

- Utilized Python's Selenium and BeautifulSoup libraries to scrape data from multiple websites, expanding the product's base by 40%.
- Implemented an efficient demo request process on the company's landing page using React.js, improving user experience.
- Developed the product-cart checkout module in Spring Boot, leveraging REST APIs to streamline transactions.
- Tech Stack: Python, Selenium, BeautifulSoup, React.js, Spring Boot

## PROJECTS

### Assignment Auditor ↗ | *React.js, Material UI, Tailwind CSS, Java 17, Spring Boot, MySQL, Docker, AWS*

- Developed a platform where students submit assignments via GitHub, and reviewers claim, review, and update the status of assignments. Features include student submission, reviewer claiming, status updates, detailed reviews with video URLs, and comment posting.
- Implemented Spring Security with JWT authentication and used Axios for seamless data fetching between React and Spring Boot.
- Designed intuitive dashboards for students and reviewers using React.js, Material UI, and Tailwind CSS.
- Hosted the project using Docker and deployed on an AWS EC2 instance.

### TrackerGQL ↗ | *React.js, Passport.js, Apollo Client, Tailwind CSS, Node.js, Express, GraphQL, MongoDB*

- Developed a smart expense management app allowing users to add, edit, and delete expenses, with an interactive chart to visualize spending.
- Implemented session-based authentication using Passport.js and utilized GraphQL with Apollo Client for efficient API interactions.
- Built the frontend with React.js and Tailwind CSS, and developed the backend with Node.js, Express, and MongoDB for data storage.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, Groovy, C/C++, SQL, HTML/CSS

**Frameworks/Libraries:** React.js, JQuery, Node.js, Express, Spring Boot, Grails, Material-UI, Tailwind CSS, Passport.js, Axios, Apollo Client

**APIs/Protocols:** REST, GraphQL, OpenAI Whisper API, Xenova

**Databases:** MySQLdb, Oracle Database, MongoDB, Redis, Elasticsearch

**Developer Tools:** Git, GitHub, Docker, AWS, VS Code, PyCharm, IntelliJ, Eclipse