Tahgore Bala Channakya Narra

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# Experience

**Software Engineer** Sept. 2023 – Present

*Cognizant Technology Solutions Hyderabad*

***Haleon*** *| Java, SpringBoot, React.js, Javascript, Selenium*

* Engineered automation solutions for over 45 tasks utilizing Java, Spring Boot, Selenium, and React.js within an Agile framework.
* Partnered with diverse teams to create user-friendly interfaces and efficient REST APIs, enhancing accuracy and streamlining processes.
* Utilized ServiceNow to optimize IT service management, driving team collaboration and significantly improving workflow efficiency.

***SPL*** *| Java, SpringBoot, Thymeleaf, React.js, TypeScript*

* Drove the end-to-end development process from requirements gathering to deployment, ensuring adherence to FDA and EMEA standards.
* Engineered the core SPL view generation functionality with Java, Spring Boot, and Thymeleaf, optimizing templated document workflows and improving user experience.
* Partnered with team to develop XML view functionality and multiple RESTful APIs, optimizing management for over 100 template combinations.
* Developed dynamic, responsive user interfaces using React.js, TypeScript, and Shadcn, enhancing data input, validation, and overall user experience.
* Leveraged iTextPDF for dynamic PDF generation in tailored templates while implementing robust testing and debugging protocols to guarantee superior quality and performance.

# Projects & Publications

**Blogging Back-end Application** *| Java, Spring Boot, Spring Security, Hibernate, MySQL,Postman*

* Empowered users to seamlessly create, manage, and engage with posts across categories, enhancing interactivity through features like commenting and updating.
* Developed intuitive pagination, search, and sorting features with user-friendly messaging, enhancing post retrieval efficiency.
* Engineered secure, role-based APIs utilizing JWT Authentication, enhancing access control for admin and standard users.

**A Robust Edge Detector in the presence of Impulse Noise** *| Published in IEEE 2023*

* Engineered the SAMFWM algorithm to reduce impulse noise, achieving 90% image similarity through advanced fusion techniques and non-maximum suppression for enhanced edge detection.

# Technical Skills

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

**Frameworks**: React.js, SpringBoot, TailWind

**Databases**: MySQL, MongoDB **Version Control**: Git, GitHub **Cloud**: Amazon Web Services (AWS)

**Core Subjects**: Data Structures and Algorithms, Operating Systems, Networking

**Miscellaneous**: Multithreading, Design Patterns, Microservices, Agile, Kafka

# Education

**RVR & JC College of Engineering** Guntur, AP

*Information Technology | GPA 8.42 Aug. 2019 – Apr 2023*

# Achievements

* Solved **500+ Data Structures and Algorithm problems** on coding platform such as **LeetCode and GFG**
* Achieved a Contest Rating of **1691 on LeetCode**, ranking among the **top 14% of all LeetCoders globally.**
* Achieved a global rank of **1220** in LeetCode Weekly Contest 432, ranking among the **top 4%** of participants.