

# Krishna Vaibhav Yadlapalli

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## Professional Summary

Aspiring enterprise software engineer with a passion for building clean, scalable systems that directly support real-world impact. My experience designing cloud-native applications using Java (Spring Boot), React, and secure REST APIs aligns deeply with Veeva's mission of delivering innovative SaaS for regulated industries. At Cognizant, I engineered production-grade microservices and contributed to CI/CD pipelines that served thousands of users in real time. I thrive in collaborative, Agile teams where I can voice ideas early in the design cycle exactly the kind of environment Veeva fosters.

## SKILLS

- **Programming Languages:** JavaScript (ES6+), TypeScript, Python, CSS3, HTML5, Java
- **Frameworks & Libraries:** React, Redux, Next.js, Node.js, Express.js, Bootstrap, Tailwind CSS
- **Mobile & Application Development:** React Native
- **Cloud & DevOps:** AWS, Google Cloud, Docker, Kubernetes, CI/CD (GitHub Actions)
- **Testing & Optimization:** Unit Testing, Integration Testing, Jest, JUnit
- **Methodologies & Tools:** Agile (Scrum), Software Development Life Cycle (SDLC) Git, Jira

## WORK EXPERIENCE

### R&D Project Assistant

September 2024 – December 2024

MYtech Lab in collaboration with **Cistel Technologies**

Halifax

- Developed a React and Node-based simulation platform to visualize cyberattack scenarios and mitigation strategies.
- Implemented real-time data modeling features and ensured web app performance and responsiveness across browsers.
- Used Docker and CI/CD workflows to deploy production-ready builds with version control using Git.

### Programmer Analyst

March 2022 – November 2022

Cognizant Technologies Solutions

India

- Developed and maintained RESTful APIs using **Spring Boot**, enabling secure microservices communication and seamless integration with frontend modules and third-party systems.
- Designed modular components with **Redux** to ensure scalable frontend architecture.
- Implemented robust **CI/CD pipelines (GitHub Actions)** with automated test suites and alerting integrations.
- Collaborated with QA and DevOps teams to resolve production bugs with enhanced **logging and monitoring**, reducing resolution time by 30%.

### Teaching Assistant — Advanced Web Development

September 2024 – Present

Dalhousie University

Halifax

- Led **10+ lab sessions** on **Agile SDLC, TDD, CI/CD, and modern web frameworks (React, Node.js)**.
- Mentored students on **REST API development, OAuth2 security**, and effective **documentation practices** using Swagger and Postman.

## PROJECT EXPERIENCE

### ActicClass 📺



**React Native, Node.js, Express, MongoDB, Jest, Docker, GitLab**

CI/CD, WebSockets

- Developed an AI-ready interactive classroom management platform enabling real-time communication and geofenced attendance tracking.
- Built cross-platform mobile and web apps using **React Native, Node.js, and MongoDB**, supporting 500+ concurrent users.
- Integrated **WebSockets** and **Geolocation API** for real-time attendance validation and student-teacher engagement.
- Designed and deployed CI/CD pipelines via **GitLab**, containerized the app using **Docker**, improving deployment consistency by 40%.
- Achieved over 90% test coverage with **Jest**, enhancing platform reliability and reducing regressions.

### File Share: Sharing Made Easy

AWS (Lambda, EC2, S3, API Gateway), React, Django, CloudFormation

- Built a secure and scalable file-sharing platform using **AWS Lambda, EC2, and API Gateway**, supporting 1,000+ users with 99% uptime.
- Used **CloudFormation (IaC)** to automate infrastructure deployment, reducing environment setup time by 50%.
- Designed logging and monitoring pipelines to track user behavior and platform health.

## EDUCATION

### Master of Applied Computer Science(3.98 GPA)

September 2023 – December 2024

Dalhousie University, Nova Scotia

### Bachelor of Engineering in Computer Science (Hons.) Information Security

June 2018 – April 2022

Chandigarh University, India