

# Rolwyn Ronald Quadras

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## TECHNICAL SKILLS

**Languages:** JavaScript, Java, Python, Shell Scripting

**Frontend:** HTML, CSS, jQuery, VueJS, ReactJS, Redux, Tailwind, LESS, SASS, Bootstrap, Webpack, Gulp.js

**Backend & Infrastructure:** Node.js, RESTful APIs, AWS (CloudFormation, EC2, S3, etc.), Terraform, Docker, Kubernetes, Jenkins

**Testing:** Jest, Selenium, Postman

**Databases:** MySQL, PostgreSQL, MongoDB

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## EXPERIENCE

**Front-End Co-op** | Peapod Digital Labs - Boston, MA

Jan 2023–Jun 2023

- Spearheaded development of highly reactive reusable components using VueJs and Vuex, reducing code size and backlog by 30%
- Authored comprehensive Jest test cases, each focused on a single functionality, to ensure the intended behavior of the code
- Enhanced code efficiency by 40% for grocery store websites like Shop&Shop, Martins, Giants, and Food Lion, reducing redundancy
- Constructed Datadog dashboards for internal analysis, significantly increasing data analysis speed and report generation efficiency

**Software Engineer** | Aggrepay Payment Solutions - Mumbai, India

Jan 2020–Jul 2021

- Developed admin and merchant dashboard UI for nationalized banks using HTML, CSS, and JavaScript to elevate user experience
- Architected and implemented "buy now pay later" feature using NodeJS, leading to a substantial 20% surge in customer spending
- Engineered front-end dashboard in JSP to provide a visually intuitive representation of merchants' banking and customer data
- Collaborated with team members to design a white-label admin dashboard, gathering requirements from respective stakeholders

**Software Engineer** | KPIT Technologies - Pune, India

Apr 2018–Sept 2019

- Engineered a ReactJS dashboard to visualize Carla simulation data for analyzing and validating the autonomous driving algorithms
- Developed a web-based solution in Angular 4 for Cummins India Pvt. Ltd. to collect and show data for power systems
- Implemented new features in HTML, CSS and JS for Annotation and Labelling Service tool resulting in a 12% boost in productivity
- Planned and took initiative of building a Content Management System using Drupal 8 for blogging between company employees

**Web Developer Intern** | GetSetHome.com - Mumbai, India

Dec 2017–Feb 2018

- Designed SEO blog module with HTML, CSS, JavaScript, and Schema.org, leading to improved site ranking and appearance
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## PROJECTS

**Student Hub Automation:** *Selenium, TestNG, Java*

Jan 2022–May 2022

- Developed and implemented a fully automated course registration system using Selenium Test Automation Framework
- Utilized Java and TestNG suite for scripting and generating reports post each testing phase to indicate success or failure

**Cloud Lens Image Store:** *AWS, CloudFormation, S3, GitHub Actions, CodeDeploy, NodeJs, Linux, Shell*

Jan 2022–May 2022

- Designed a highly scalable infrastructure as code utilizing CloudFormation to deploy a Nodejs application along with PostgreSQL incorporating auto-scaling, Load balancing, DNS, automated CI/CD, monitoring, security, and automated rollback features
- Leveraged GitHub actions along with HCL Packer and AWS Code deploy to perform CI/CD actions using GitHub workflow

**Northeastern Event Tracker:** *ReactJS, Redux, NodeJS, MongoDB, Express, SASS*

Sept 2021–Dec 2021

- Implemented client-server architecture with ReactJS/Redux, NodeJs, and MongoDB, adhering to the MVC design pattern
- Built search filter API for searching different real time events occurring throughout the campus based on tags and existing keywords
- Crafted authentication UI and integrated Google OAuth API and Google Calendar for security and better functionality

**Insulin Delivery System:** *Java, JavaSwing, MySQL*

Sept 2021–Dec 2021

- Programmed a scalable and large-scale Java-based system for an Insulin distribution chain with a seamless restocking mechanism and a review system to track client satisfaction using MVC design pattern
- Incorporated bar and pie charts to compare sale of one insulin type vs another, and to examine total monthly revenue percent

**Home Design using Augmented Reality:** *Unity 3D, Vuforia, C#*

Jun 2016–May 2017

- Utilized smartphone camera to augment a 3D furniture model with Unity 3D and Vuforia, for visualizing interior house designs
  - Designed Unity UI for seamlessly toggling between augmenting furniture with real-world markers and predefined markers
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## EDUCATION

**Northeastern University, Boston MA,**

Dec 2023

Master's in Information Systems, GPA-3.75

Courses: Web Development, Cloud Computing, Advanced Cloud Computing, Application Engineering and Development

**University of Mumbai, India,**

Bachelor's in Computer Engineering, GPA-3.0

Jul 2017

Courses: Data Structures and Algorithms, Object Oriented Programming, Web and Mobile Development