

# CHIRAG R

<https://www.chiraqr.com> | Phone: +1 647-679-5831 | Toronto, Canada | Email: [chiraq.ramachandra@gmail.com](mailto:chiraq.ramachandra@gmail.com)

## RELEVANT SKILLS & TOOLS

- Experience in web development using HTML, CSS (SASS), JavaScript (ES6), React, Redux, Typescript, Node js
- Experience with package managers (npm), task runners (Webpack), and APIs (WebSocket)
- Advanced OOP knowledge (Object Oriented Programming)
- Ability to integrate web services (RESTful, JSON)
- Experience in creating scalable back-ends serving RESTful APIs with JavaScript and Python
- Strong grasp on Express framework, Database: DynamoDB, SQL, MongoDB
- Experience deploying on cloud platforms: AWS, Vercel, Google Cloud Platform (GCP)
- Experience in single page app development, classic Website as well as Progressive Web Apps (PWA)
- Experience working in Agile/Scrum teams and use of Git for source control
- Familiarity with testing and debugging processes, including unit testing and UI testing

## WORK EXPERIENCE

### CollegePass

2018 - 2022

#### Senior Developer (Principal Tech Architect)

Responsible for complete technology stack, including prototype, build, deployment and testing of CollegePass Technology Solutions, which is an Ed Tech Start Up enabling college admissions using an AI powered video platform.

- Led the technical vision, strategy and architecture that ensures business requirements are met and includes scalability
- Designed and developed user-friendly website, including optimized video platform integration using MERN & Python, & continue to optimize website by applying enhancements to improve functionality, speed, and generated increase of 30% jump in subscriber base month over month (current base: 60k active subscriber base)
- Led mobile application development in React Native within 8 weeks (60% ahead of schedule)
- Maintained sprint cycles, code reviews using GitHub, enabling agile development that helped ship 25% faster

### Accenture

2016 - 2018

#### Software Engineering Analyst

- Customer Experience Improvement: Built a new portal for end users to view the account, billing, and complete transactions
- Implemented Legacy Migration for the client (United Utilities), with focus on moving the WM codebase in 8.0 version to the 9.8 version of WM, ensuring that the new service/s adheres to SOA principles
- Code Deployment to production environment and Postproduction PRISM support
- Prepared and periodically updated HLD, LLD and SSD's with UAT and other project documentation

### Tata Consultancy Services

2015 - 2016

#### System Engineer

- Implemented API (Merchant Account Maintenance) aimed at providing a single stop solution for retrieving all details relevant to a given chain, merchant, or store. Facilitated updating of details by interacting with the backend (DB2)
- Worked on Self Registration API, which enables the merchants of the client (Vantiv) to set up their shop by enabling them to create their organization and multiple users

## CONSULTING PROJECTS

- [ownerandtenant.com](http://ownerandtenant.com) (360-degree real estate & property management platform) 2021-2022
  - Solely responsible for the complete tech stack and architecture (Python, JavaScript, Node, CSS), enabling 50k users and scaling rapidly
  - Led the technology team (4 developers, 1 designer) and closely collaborated with cross-functional stakeholders to build products with state-of-the-art front end and scalable backend
- [hydrop.io](http://hydrop.io) (Hyperlocal water delivery, water solutions platform and DAO) 2020-2022
  - Design & develop Hydrop's software architecture
  - Use deep understanding of microservices, clustering, redundancy, to build distributed systems
  - Experience in building enterprise technologies, use message brokers, internal and external APIs
  - Building out DAO for Hydrop (Atlantis) using blockchain technology
- Developed dynamic and interactive website that ensured high traffic, page views and reservations for a boutique luxury home stay called The Vintage, online presence boosted sales by 60% (2020)

## EDUCATION

### Full Stack Web Developer Nano Degree II

Udacity | 2018

### Bachelor of Engineering - Telecommunications Engineering

MVJ College of Engineering (VTU), India | 2013