

# Urvesh Patel

Charlotte, NC  
urvesh21@gmail.com

---

## SUMMARY

Highly skilled senior software engineer with over 5+ years of progressive experience in the software industry, specializing in User Interface Design and Development. Proficient in conceptualizing, designing, and coding technical solutions, with a focus on MVC Frameworks, particularly Angular (versions 2 to 13), and extensive knowledge in HTML5, CSS3, JavaScript, jQuery, Node.js, React, Next.js, and Responsive Web Design.

Throughout my career, I have demonstrated excellent analytical abilities, enabling me to efficiently grasp and utilize new technical concepts. My versatility spans across web design projects, ranging from enterprise to consumer, desktop to mobile, consistently delivering high-quality solutions that surpass client expectations.

My strong communication, collaboration, and interpersonal skills foster effective teamwork and drive successful project outcomes. I am eager to leverage my expertise and passion for excellence to tackle new challenges and contribute significantly to the software industry.

---

## EDUCATION

- Post Graduate Certificate in Mobile Application Development Aug 2014- Dec 2015  
Lambton College, Toronto
- Bachelors in information technology 2009-2013  
Charotar University of Science and Technology, India

---

## CERTIFICATION

- AWS Certified Cloud Practitioner

---

## PROFESSIONAL EXPERIENCE

**Hartford Fire Ins.** **October 2021 – Present**  
**Staff Software Engineer**

- Spearheaded the enhancement of the Risk Evaluation application, a mission-critical tool for underwriters in middle and large commercial organizations. Resulted in a remarkable 25% increase in application usability, optimizing the efficiency of the underwriting process.
- Provided invaluable technical guidance and mentorship to fellow developers, sharing best practices, techniques, and troubleshooting expertise. Ensured timely issue resolution and minimal downtime, fostering a collaborative and high-performing development environment.
- Led design and architecture changes to strategically reduce technical debt and boost code reusability. These improvements significantly improved development speed and maintainability, positively impacting project timelines and future scalability.
- Collaborated closely with UX designers to create a comprehensive library of reusable UI components. These components were seamlessly integrated into multiple applications, leading to a substantial reduction in UI development time and bolstering consistency across the organization's products.

- Played a key role in code reviews, offering constructive feedback to elevate code quality and maintainability. This proactive approach led to a notable reduction in production defects, enhancing overall product stability and customer satisfaction.
- Successfully coordinated with cross-functional teams, including offshore development teams, to drive the implementation of new application features and improve existing ones. This dedication to teamwork and continuous improvement laid the foundation for successful project deliveries.
- Actively mentored junior developers, providing them with valuable guidance and empowering them to excel in their roles. Contributed to the growth and development of the team, fostering a supportive and learning-oriented work environment.
- Made significant contributions to the development and advancement of Hartford Inner source libraries. Collaborated with peers to define best practices and technical standards, furthering the organization's commitment to innovation and knowledge sharing.

## **Duke Energy Senior IT Software Engineer**

**June 2018 – October 2021**

Responsible for creating critical customer as well as employee facing applications featuring HTML, CSS, JavaScript, TypeScript, Angular 5+, Google Maps APIs such as Geocoding, Places and Search API.

Worked closely with different departments to create many critical frontend web applications.

- Created many reusable components that can be used in different applications.
- Used different angular UI component libraries such as Angular Material and PrimeNG.
- Worked closely with UX designers and followed the strict design guidelines to create attractive, responsive and easy to use web applications.
- Experience in working on different stages of the software development process starting from design thinking to delivery of working software.
- Worked with different teams in a collaborative working environment.
- Mentored the junior developers to follow best practices in software development.
- Integrated Google Analytics in multiple projects.
- Experience working in Agile/Scrum development process.
- Bi-Monthly meetings with stockholders and customers to ask about feedback and show how we've implemented past feedback towards working software.
- Hands-on experience working with Apigee Proxies and Concourse Pipelines (CI - CD).

Following are list of projects I worked at Duke Energy

### **Duke Energy Outage Maps**

Web based application that allows users to see the outage information on a map.

URL: <https://outagemaps.duke-energy.com>

- Worked as a lead frontend developer to build Duke Energy's customer facing Outage Map web application.
- The application helps Duke Energy customers to get necessary information about the outage.
- Leveraged Google Map APIs to show multiple data points like markers, clusters, polygons and polylines on map.
- Developed the application flexible enough to handle large amounts of data on map depending on different application modes.
- Made use of a chart library like chart.js to show outage history information in application.
- Application regularly features on local news channels during hurricane season.

### **Web Outage Reporting**

A web-based application which allows Duke Energy customers to report an outage.

URL: <https://outagereport.duke-energy.com>

- Developed customer facing the front end of the application which helps users to report an outage by going through a list of interactive steps based on different scenarios.
- Allows users to update their preference details to get notifications about the outage alerts.

### **Street And Area Light Repair**

A web-based application which allows Duke Energy customers to report an outdoor light repair.

URL: <https://salor-web.duke-energy.app>

- Developed Customer faced web application which helps customers to view the outdoor lights on map and allows request repair.
- Used different AWS services like S3, CloudFront, Route53 and Google Maps APIs to build complete solution.

### **Federal Government Affairs Map**

This is a browser-based application to educate stakeholders on Duke Energy's impact in their district, state, and country regarding business priorities. This map makes disparate data easily accessible from a single application, anytime and anywhere. This application is developed for Duke Energy's government affairs department employees.

- Worked as a lead frontend developer to develop this application using Angular 9.
- Used Google map APIs to show data on a map inside the application.
- Added ability to show a shaded layer on map based on different types of views like property tax, foundation spending and philanthropy.
- Used different GeoJson files to show geographical data on maps such as different Duke Energy regions like electric service territory, gas territory and county borders.
- Added ability to see different political layers like federal house districts, state senate districts and state house districts of different US states on map.
- Made use of google map markers and clusters to show different corporate facilities, energy generation facilities and renewable energy facilities on map.
- Provided different government census data to an application using census APIs.
- Used ProPublica APIs to show information about the US senators.

### **PingIt**

Ping It is a web-link application that allows the user to retrieve real-time information from Itron AMI meters providing information such as voltage, communication status, meter status, real time power status and customer account details.

- Developed a front-end application which allows Duke Energy call center agents to ping customer meters and get the Real Time meter status information.
- It helped Duke Energy to reduce a significant amount of truck rolls.
- Used Plotly.js chart library to show graphs in application.
- Allowed ability to report meter to revenue protection team if call center agent finds if suspicious.
- Added UI to allow the ability to ping the whole transformer and display real time data in application.

### **Business Locator Tool**

A Google Map based web application designed to help Energy Advisors locate other medium sized businesses to visit while out in the field based on proximity and opportunity.

- Developed Google Map based application that allows Duke Energy's business energy advisors to locate the large and medium size customer accounts on map which helps them to generate more business revenue by selling different products.
- The app allows them to get all necessary information about the customer's business such as business name, location, contact details, revenue and energy usage.

### **AMI-GO**

AMI-GO is a web application that shows historical voltage and usage data over a specified date range for Itron AMI Meters.

- Developed the Frontend of the application using Angular 5.
- Used the Plotly.js chart library to show voltage and usage data on a graph.
- Application allows Duke Energy employees to view, analyze and export historical voltage data and helps them to troubleshoot power quality and reliability issues.

### **Outage Summary**

Application which gives the summary information of overall outage events, number of customers out and number of customers reported outage based on Jurisdiction, Regions, Areas and Zones.

- Developed the Frontend of the application using Angular 6.
- Worked with UX designers to develop the responsive and user-friendly UI interface for the application which helps users to see the summary information based on county, jurisdiction and different regions.
- Users can also see the outage history by providing the date range.
- Added the export data functionality so that users can export the outage history data to excel sheet.

### **Control Center**

Control center application provides the ability to control and override the different information that is being shown in multiple apps mentioned above.

- Developed the Frontend of the application using Angular 5+.
- Created the different modules depending on the functionalities related to different apps.
- Added functionality to post alert banners on different apps like PingIt, outage maps, web outage reporting and outage summary.
- Added functionality to control outage map application by providing options to override the ETR info, show/hide alert banner, restrict map to specific view and to update application mode depending on outage events.

### **Trainwithme Inc., Toronto, ON Web Developer**

**March 2017 – April 2018**

Responsible for development and designing responsive layout of a web development platform that lets anyone create stunning websites.

- Designed 70% of website builder's UI with responsive layout design principles using Bootstrap, CSS3, HTML5, Angular 2+, typescript, node.js ([www.fitviser.com](http://www.fitviser.com))
- Provided direct assistance to head web developer.
- Migrate Existing ionic/AngularJS app to ionic3/Angular4 with Firebase as well as developed the admin app for it (App Name: Activus)
- Worked with firebase database to show real-time data on website and app.
- Developed visually appealing, responsive website for multi-disciplinary clinic with SEO best practices ([www.physioflow.ca](http://www.physioflow.ca))
- Created HTML email templates and newsletters for email marketing campaigns.

### **Prime method Inc. Toronto, ON Web Administrator Intern**

**May 2015 – Nov 2015**

Responsible for working on designing responsive layout of web pages and developing front end functionalities of websites.

Duties:

- Developed and maintained the front-end functionality of websites using Bootstrap, AngularJS, CSS, HTML and jQuery.
- Worked on Search Engine Optimization of websites.
- Testing the Android application modules and sending bug reports to Senior developers.