

## Pratyusha Bachu

Full Stack Developer

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### Summary

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- **Full Stack Developer** with around 7+ years of web applications development experience in analysis, software design, coding and development, testing and maintenance of applications using concepts of web technologies.
- Front-end and java development experience with high Proficiency in **HTML / HTML5, CSS/CSS3, SASS, JavaScript, Typescript, angular, PrimeNG, JSON, XML, JAVA, object-oriented design, service oriented architecture , Spring MVC, Sql.**
- Implemented forms to collect and validate data from the user with a responsive design approach using **Boorstrap, PrimeNg and Angular 12, 13, 14, 16.**
- Extensively worked on Angular **directives, property bindings, template variables, decorators.**
- Strong experience in **PrimeNG components and Material UI components** such as tabs, panels, form elements, menus etc.
- Hands on experience with **Observables, RxJS library and REST APIs.**
- Experience with **NgRX** library for state management.
- Knowledge on Tailwind CSS.
- Knowledge on ADA compliance, 508 standards, WCAG guidelines
- Experience with authentication frameworks such as OKTA , oauth , OAuth2, LDAP, active directory .
- Experience with **jQuery, jQuery plugins, AJAX and JSON.**
- Experience with **Responsive Web Design using Bootstrap** templates and implementing different features.
- Experience in developing web applications using **Micro front end** architecture using module federation.
- Experience in back end concepts such as **OOPs, Java8, J2EE, JAVA EE, JPA, EJB, Spring framework and MySQL**
- Experience in **Core java** with strong understanding and working knowledge on core java components with **Collections, Generics, Polymorphism, Multithreading, Exception Handling, File Handling I/O, Data Structures, algorithms and Java 8 features like Streams, lambdas, Functional Interface.**
- Skilled in Spring MVC architecture, **design patterns, Collections Frameworks., SOLID design patterns.**
- Knowledge in **Spring Dependency Injection, Spring MVC for Rest API's , spring boot, spring security, spring JMS, spring batch, Hibernate, ORM, memory caching.**
- Knowledge of test software and experience in writing unit test cases using junit, mockito for flexibility and scalability.
- Used JIRA , RALLY for user stories and as a bug management tool and **GitLab , GitHub** for version control systems and release management.
- **Excellent communication skills** with a strong problem analysis and research capability , self-motivating, ability to multitask, accomplish detailed business requirements, functional specifications and highly collaboration skill.
- Plan, organize and prioritize time and workload in order to accomplish tasks and meet deadlines. Communicate information and ideas clearly, and concisely, in writing; read and understand information presented in writing.

## ***Technical Skills***

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**Web Technologies and Language:** HTML, HTML5, CSS/3, JavaScript, Typescript, DOM, JSON, Sass, Java

**Framework:** Angular12, Angular 13, Angular 14, Node.JS, Java Script, Spring boot, Karma

**Web Servers:** HTTP Web Server, Apache Tomcat.

**Databases:** MySQL, Postgres

**IDE:** Eclipse IDE, Notepad++, Sublime Text Editor, Web Storm, Bracket, NetBeans, IntelliJ

**Debugging tools:** Firebug, Chrome Developer toolbar, IE Developer Toolbar

**Version Control Tools:** SVN, Git.

**Unit Testing Tools:** Karma Jasmine

**Operating Systems:** Windows variants, Mac OS variants, Linux etc.

**Methodologies:** Agile-SCRUM, Waterfall.

**Others:** Bootstrap, WordPress, PrimeNG.

## ***Professional Experience***

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**Client:** Bank of America, Dallas TX

**Employer:** Collabera

**July 2023 -Present**

**Position:** Angular Developer

The Bank of America Corporation (often abbreviated BofA or BoA) is an American multinational investment bank and financial services holding company.

**Technologies used:** HTML5, CSS2, Sass, TypeScript, Angular 16, JSON,GIT, Bootstrap,Angular Material, PrimeNG, Object Oriented Design, Access Assistant, AMP Scans, Java 8, Spring boot, Storybook.

### **Details:**

- Implementing new ADA-compliant features in Angular 16 is my role as a key developer.
- Employed several Angular functionalities, including built-in and customized directives, pipelines, and property bindings inside the components.
- Implemented POCs to enhance the application's modularity and scalability by developing a number of micro front ends with Angular Elements and Angular Module Federation.
- Led the migration of the Angular 16 standalone architecture.
- Redesigned and converted legacy libraries into modern web components, taking full ownership of the module.
- Effectively integrated storybook into the application.
- Started a new procedure cross-functionally, to ensure that every application complies with ADA regulations.
- Worked along with the UX Design team to ensure that the designs adhered to ADA guidelines.
- Enhanced performance by integrating back-end APIs through the use of REST Services and a variety of RXJS operators.
- Implemented re-usable UI components and published them as library packages.
- Conducted code reviews and provided mentorship to junior developers, ensuring high code quality and adherence to coding standards.

**Client: USPTO, Alexandria VA**  
**Employer: REI Systems**  
**Position: Full Stack Developer**

**Feb 2021 -April 2023**

The United States Patent and Trademark Office (USPTO) is the federal agency for granting U.S. patents and registering trademarks. The USPTO registers trademarks based on the commerce clause of the Constitution. It promote the Progress of Science and useful Arts, by securing for limited Times to Authors and Inventors the exclusive Right to their respective Writings and Discoveries.

**Technologies used:** HTML5, CSS3, Sass, TypeScript, JSON, GIT, Angular, Bootstrap, Object Oriented Design, Karma Jasmine, Agile, PrimeNG, Java 8, Spring boot, Oracle.

**Details:**

- Key developer in a high customer facing project on Angular modernization.
- As a key web developer, I was responsible for successful re-design of the application software architecture ( MVC / MVVM) to overcome existing quality and performance impediments.
- Followed Agile scrum and story maps for development tracking.
- Transformed design mock-ups into cross-browser compatible HTML/CSS layouts and implemented dynamic Elements and reusable libraries with Typescript, PrimeNG and Angular 13.
- Developed UI using TypeScript, HTML/HTML5, DOM, PrimeNG, CSS3 in ongoing projects.
- Created Angular 13 components and implemented Interpolation, Input variables, Bootstrapping, NgFor, NgIf, Router Outlet, binding the click event, Component decorator, binding to the hidden property.
- Worked on Angular 13 by consuming RESTful web services & used Angular 13 forms like Template Driven forms and Modern Driven (Reactive) forms to perform form validations both on server and client side.
- Regular interaction of RESTful API design calls to populate the UI on the app using GET, PUT, POST and DELETE.
- Used content management systems for images and files access.
- Working with CSS3 pre-processors such as SASS for application themes.
- Used PrimeNG themes to develop complex page layouts including various sections such as headers, footers, sidebars.
- Successfully upgraded the project from Angular 13 to Angular 14
- Implemented Unit test cases using Jasmine, Karma.
- Used google analytics to keep track of the activities on primeNG components such as buttons, radio buttons etc. and analyze performance metrics.
- Used various Core Java concepts such as OOPs, Multi-Threading, Exception Handling, Collection APIs, Stream APIs to implement various features and enhancements.
- Used Spring MVC framework to develop the application and its architecture.
- Used Spring dependency injection to inject all the required dependency in application.
- Developed REST end points for organization's search module.
- Developed Controller classes, business services respective to the module.
- Created set of classes using DAO pattern to decouple the business logic and data.
- Implemented Hibernate in the data access object layer to access and update information in the Oracle Database.
- Wrote SQL queries, stored procedures, and triggers to perform back-end database operations.

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**Employer: MediTechSafe Inc, OH**  
**Position: Front end Developer**

**June 2020– Nov 2020**

MediTechSafe offers safety, privacy, and security to communities by enhancing the cybersecurity of medical devices, Internet of Things (IoT), cyber-physical systems, and critical infrastructures.

**Technologies used:** HTML5,HTML,CSS, CSS3, PrimeNG, JavaScript, TyepScript, Angular 4, Bootstrap, JSON, Eclipse, GIT, Agile.

**Details:**

- UI development using Angular and UI frameworks MVC.
- Used PrimeNg library to quickly build project UI's and used Angular 4 framework to associate HTML elements to models.
- Led an initiative to implement file storage module with Amazon S3 storage. Developed REST API's to save files to S3 bucket using AWS-Go SDK.
- Developed an algorithm to automate the process of product-model mapping, CVE-patch mapping using typescript.
- Implemented custom dashboard feature to display various charts to one's compliance using Angular 4 Canvas charts.
- Worked extensively on Angular 4 features such as Reactive forms, services, routers, Observables, Directives etc.
- Worked on Angular 4 components and services to interact with the RESTful Services.
- Implemented back-end REST services and connections to PostgreSQL in golang.

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**Client: AIG, HYD**  
**Employer: Virtusa, Hyd**  
**Position: Java Developer**

**Oct 2016-June 2019**

AIG Insurance provides their customers to register claims by calling CSR. FNOL (First Notice of Loss) handles the request provided by customers. CSR collects data from customer, or any other external sources and the entire life-cycle of claim settlement is then automated through different stages.

**Technologies used:** HTML, TypeScript, Angular 4,CSS, Angular material, MS Office, Firefox, Windows, MySQL, Java, Spring boot.

**Details:**

- Key developer for financial services module. Developed and enhanced many UI functionalities using Angular 4.
- Developed websites using Angular 4, Typescript, HTML, CSS, Angular material.
- Performed client side validations using reactive and template driven forms.
- Extensively used angular material components for UI styling.
- Developed services in angular and used HTTP methods (GET, POST, PUT, DELETE) to connect to back end services.

- Implemented RESTful web services using spring frameworks and persistence using Hibernate frameworks for financial module.
- Utilized Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for micro-services for improving the maintainability of the application.
- Experience in spring JMS and spring batch.
- Experience in Core Java concepts such as OOP Concepts, Collections Framework, and Exception Handling, I/O System, Multi-Threading, JDBC, Generics.
- Involved in creating and extracting data from database using SQL Queries, PL/SQL Stored procedures, triggers on MYSQL database.
- Worked on Apache Kafka message brokers and developed data pipeline using it.

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**Employer: Virtusa, Hyd**  
**Position: Software Developer Intern**

**Feb 2016-March2016**

**Details:**

- Worked on development of Virtusa's internal application called as 'Training Portal' to maintain all training related activities.
- Created web page layouts using html5 and CSS.
- Developed back end modules for training application using Java, spring and consumed REST API's.
- Involved in creating and extracting data from database using SQL Queries, PL/SQL Stored procedures, triggers on MYSQL database.

***Education***

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***Master in Computer Science***  
***Bachelor in Information Technology***

University of Cincinnati, OH, USA  
CVR college of Engineering, Hyderabad, India