

Pratyusha Bachu
Full Stack Developer
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Summary

- **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, react, 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 .**
- 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, Redux** library for state management.
- Experience with **Next.js** and **React libraries.**
- 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

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

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 18** 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 **configurable UI** using formly to render UI **dynamically**.
- Led the migration of the application architecture to **micro frontends** in angular 18 using **module federation**.
- Redesigned and converted legacy libraries into modern **micro front-ends**, 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

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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 focused on **React modernization** using **Next.js** .
- As a key web developer, I was responsible for successful re-design of the application architecture to Micro front ends pattern using module federation 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, Material-UI, React 17 and Next.js.
- Developed UI components using TypeScript, HTML/HTML5, DOM, Material-UI, CSS3 in ongoing projects.
- Created React 17 functional components within a Next.js framework, implementing features such as **props, state management with Redux Toolkit, React Hooks** (e.g., useState, useEffect, useSelector, useDispatch), **conditional rendering, Next.js routing** (file-based routing and dynamic routes), event handling, and component composition.
- Worked on React 17 and Next.js by **consuming RESTful web services** and used **React forms** (e.g., controlled and uncontrolled components) to perform **form validations** on both server and client sides, leveraging **Next.js API routes** for server-side logic.
- Managed global state using **Redux Toolkit** to streamline data flow across components and ensure scalable state management for complex UI interactions.
- Regularly interacted with **RESTful API** design calls to populate the UI on the app using **GET, PUT, POST, and DELETE** methods, integrating with **Next.js API routes** or external APIs.
- Utilized **content management systems** for accessing images and files, optimized for **Next.js** image handling with the **Next/Image** component.
- Worked with **CSS3 pre-processors** such as **SASS** to create application themes, leveraging **CSS modules** in **Next.js** for scoped styling.
- Leveraged **Material-UI** to develop complex page layouts, including sections such as headers, footers, and sidebars, optimized for **Next.js** server-side rendering (SSR) and static site generation (SSG).
- Successfully **upgraded the project** from **React 17 to React 18** and transitioned from **Next.js 11 to Next.js 12** for improved performance and features like middleware support.
- Implemented **unit test cases** using **Jest** and **React Testing Library**, ensuring robust testing for **Next.js** pages and components.
- Integrated **Google Analytics** via **Next.js** scripts or third-party libraries to track activities on UI components (e.g., buttons, radio buttons) and analyze performance metrics.
- Utilized **Core Java** concepts such as **OOPs, Multi-Threading, Exception Handling, Collection APIs, and 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 endpoints** for the organization's search module, compatible with **Next.js API routes** for seamless front-end integration.
- 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.

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.

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.

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

Master in Computer Science
Bachelor in Information Technology

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