

Pratyusha Bachu

Full Stack Developer

pratyusha.bachu@gmail.com

(513)-908-1795

Summary

- **Full Stack Developer** with around 6 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, 14.**
- 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.
- 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 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.**
- Experience in **Spring Dependency Injection, Spring MVC for Rest API's , spring boot, spring security, spring JMS, spring batch, Hibernate, ORM, memory caching.**
- Used **microservices** architecture with **Spring Boot** and implemnted REST , SOAP services.
- Skilled in Java Technologies and servers like Servlets, JSP, xml,uml, maven, ANT, Jetty, Tomcat and JBoss servers.
- Knowledge of test software and experience in writing unit test cases using junit, mockito for flexibility and scalability.
- Experience in messaging systems such as **apache kafka** and understanding of AWS SNS.
- Extensive experience in working with different rdbms databases such as **Oracle databases, SQL Server, MySQL, postgresql** and in writing complex data manipulation queies in **SQL database, PL/SQL queries** and subqueries like stored procedures, **joins**, functions, triggers, views and exception handling for retrieving, checking and migrating complex data sets.
- Experience with CI(continuous integration) /CD pipelines using jenkins and basic understanding of devops.
- 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 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: USPTO, Alexandria VA

Employer: REI Systems

Feb 2021 -April 2023

Position: Full Stack Developer

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 12.
- Developed UI using TypeScript, HTML/HTML5, DOM, PrimeNG, CSS3 in ongoing projects.
- Created Angular 12 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 12 by consuming RESTful web services & used Angular 12 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 12 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.

Employer: MediTechSafe Inc, OH

June 2020– Nov 2020

Position: Front end Developer

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-March 2016

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