

# Abhinav Palakurthy

## Senior Software Engineer

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### PROFESSIONAL SUMMARY:

- Passionate Full stack Software engineer with 7+ years of experience and broad perspective in both creative and front-end development. Adept in working both in micro- and multi-departmental team structures.
- Skilled in UI development and beginner DevOps practices. Ability to develop wireframes and digital mockups as well as the front-end development of fully functional and interactive prototypes utilizing CSS3, SCSS, HTML5 and Bootstrap, WCAG guidelines, W3C standards and ADA compliance.
- Extensive knowledge in developing applications in a Single page (SPA's) using JavaScript frameworks like AngularJS, Angular (2/4/8/9), Vue Js, and React/Redux/React hooks.
- Knowledge in Java, Spring REST. Worked with REST, Node.js, Express Js, MEAN stack, Inversify.js and nivo charts, D3 for data visualization.
- Effective utilization of cloud platforms like AWS and Pivotal.
- Used OAuth 1.0, Okta token, JWT token for Authentication and Authorization for Web Applications and interactions with API.
- Experience in Databases like POSTGRES. Installed and configured postgres and accessed the database from node js as a connection.
- Worked with Kibana an open-source data visualization plugin for ElasticSearch and worked with logstash in dumping the logs from pivotal.
- Speeding up Existing Applications with a Cache service using Redis Cache.
- Experience with CI/CD-ANT, JENKINS, GIT, GITHUB.
- Used Docker for creating Docker images for launching containers on AWS EC2. Worked Integration of AWS, ElasticSearch and Docker with Kubernetes.
- Design and implementation of low-latency, high-availability, and performant applications understanding the fundamental design principles behind a scalable application.
- Experience in working in environments using Agile (SCRUM) and Test-Driven Development (TDD) development methodologies.
- Possessing good interpersonal skills which were applied in coordinating with the development team, QA team and support team as required.
- Efficient team member with excellent work/time management skills, excellent leadership, communication and interpersonal skills and ability to work under strict deadlines.

### TECHNICAL SKILLS:

Web Technologies	JavaScript, HTML5, CSS3, JSON, jQuery, Ajax, Bootstrap.XML Schema.
Database	POSTGRES SQL and MongoDB
IDE & Tools	Web Storm, Vs code and IntelliJ

JavaScript Libraries	React.js, Redux, React hooks, Context API, Angular JS, Angular 2/4/8/9, Vue js, EcmaScript6, Node.js, express Js.
Log Monitoring.	Elk Stack, kibana and splunk.
Testing	Jasmine, karma, Jest and Enzyme.
Build Scripts	Maven, Jenkins, Docker, Shell.

## EDUCATION:

### Master's In computer science

University Of the Central Missouri

AUGUST 2014 - DECEMBER 2015

### PHD In Information technology (online)

University Of the Cumberlands

JUNE 2019 - NOW

## PROFESSIONAL EXPERIENCE:

### Onetrust

#### Senior Software Engineer

AUG 2021– NOW

#### Responsibilities:

- Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability and performance.
- Updated old code bases to modern development standards, improving functionality.
- Design, develop and test the app using HTML5, CSS3, Bootstrap, JavaScript, Angular 8/9, Rxjs, Jasmine, karma. Provide SEO solutions for single page apps.
- Also supported the angular 8 project, worked with reusable components and shared modules to maintain the consistency between the projects and reusability.
- Used Rxjs to convert the existing code for async operations into observables, iterating the values as a stream, mapping them, filtering streams and composing multiple streams of data.
- Worked with Angular testing frameworks like jasmine and karma and also worked in automating them using cucumber/Java/Cypress.
- Coordinated configuration of back-end components in support of application development.
- Worked in an Agile environment and followed all the best practices to ensure high quality code.

### Principal Financial Group, Des Moines

#### Developer

JULY 2020 – July 2021

#### Responsibilities:

- Experience with Software Development methodologies like Agile/Scrum and Involved in business requirements and creating the Jira tickets for user stories.
- Design, develop and test HTML5, CSS3, Bootstrap, JavaScript, NEXTjs, React.JS, Redux that meets accessibility and web browser standards for web apps.
- Provide SEO solutions for single page apps.
- Effective usage of React nivo charts, added additional layers of d3 charts for graphical designs and data visualization.
- Effective use of React hooks and context api and Redux for state management. Worked with redux observable pattern to create async actions as needed.
- Worked with Express.js for development of RESTful web services and middleware configurations.
- Unit testing using Jest and component level testing using Enzyme.
- Conceptualize, design and develop user interface designs in a fast-paced web environment maintaining the responsiveness for smaller resolutions as well.
- Experienced with Docker container service and applications by creating Docker images from Docker file.
- Optimizing app components and improving the product's performance.

**Massmutual**  
**Full stack Engineer**  
 JULY 2018 - JULY 2020

**Responsibilities:**

- Partnering with business stakeholders across the team, as well as experts in other areas including data science to achieve the financial goals
- Drive toward the effective utilization of the latest technologies like, react, redux, Inversify, toa, node for web development and Node js, postgres and node express for api development.
- Used React js for web app development. Worked with Redux architecture using complex Object-Oriented concepts in improving the performance of the websites and maintaining the state management.
- Used Node Express js for the restful API's and performed all the CRUD operations. Installing and configuring postgresql.pl plugins for Monitoring PostgreSQL instances effectively
- Provided audit postgres trigger functions to log all the events and the actions performed to the audit table for major relations
- Postgres sql scripts, tables, stored procedures/functions, user roles along with Shell Scripting- database application scripts
- Worked with containerization tools like Docker, actively involved in writing docker files and compose yml's.
- Maintain system functionality through rigorous testing, identifying ways to improve efficiency and productivity. Unit testing using jest/enzyme.
- Kibana and app dynamics for log monitoring. Created customized visualizations in Kibana to drill down through the logs.
- Used Amazon Web services aws(RDS instance) to provide a large computing capacity and maintained the concurrent connections as needed
- Broke down the JS codebase into discrete NPM packages for code reusability and best practices.
- Also actively involved in creating linting practices to maintain the coding consistency.
- Paired with fellow engineers to brainstorm ideas, debug problems and review code.

**CVS, Rhode Island**  
**Front-End UI Developer**  
MARCH 2016 - JULY 2018

Responsibilities:

- Worked With an enterprise level application which interacts with the customers by selling the drugs which are-prescribed by the doctors and working with CVS internal applications which helps CVS employees who work in the stores.
- Designed the front-end static user interactive (UI) web pages using web technologies like HTML, CSS, JavaScript, Bootstrap and CSS media queries. Used AngularJS framework where data from backend is stored in model and populated it to UI. Migrated angular js apps to angular2/4 applications.
- Developed rest APIS in node and consume the web services from the client.
- Created Docker containers for micro services. Triggered jobs on Jenkins for building the apps and Used Jenkins in deploying the apps to pivotal cloud. Automated deployments of full application stack using Jenkins/Docker. The code of this pipeline is written in DSL groovy, and Jenkins will be reading the file instructions and perform the action.
- Optimizing app components and improving the product's performance.
- Adding unit tests in Jasmine/Karma and automation tests in cucumber.

**American Express**  
**UI developer**  
AUGUST 2015 - MARCH 2016

Responsibilities:

- Contracted to re-design website and migrate the old site to new re-designed site by using new technologies like AngularJS and NodeJS.
- The site offers the benefits, opportunities, card member services and deals to the card members. Designed the front-end static user interactive (UI) web pages using web technologies like HTML, CSS and Bootstrap, Angular-JS and NodeJS as backend server
- Involved in writing application-level code to interact with APIs in node and consuming JSON in front end and session storage in node.
- Worked with the modules which are built in NodeJS like stream, http, child process and external modules like bluebird, cheerio, socket.io, fs for interacting with the file system etc.
- Implemented logger framework that captures the application logs which then will store to a text file by using Winston framework which helps in debugging the issues.

**Softlogix**  
**Developer**  
JULY 2013 - MAY 2014

Responsibilities:

- Built, tested and deployed scalable, highly available and modular software products which are used in the school library.

- Designed the front-end static user interactive (UI) web pages using web technologies like HTML, CSS and JavaScript.
- Worked with Angular Js in developing the web applications by consuming the rest services which were written in JAVA.
- Tested websites and performed troubleshooting prior to deployment.
- Devised site maps, user flows, wireframes and mockups for designs based on proven methodologies, stakeholder requests and end-user feedback.