K. AMJATHKHAN

UI/UX Design, Frontend Angular Developer

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As a lead Developer, I am responsible for creating a top-level coding-base using Angular best practices. I implement an exciting and streamlined user experience in the form of a Java-based desktop and mobile web-app. As a successful Angular developer, I possess extensive knowledge of theoretical software engineering, am proficient in JavaScript, HTML, and CSS, and have excellent project management skills. I can design and build a streamlined application to company specifications that perfectly meet the needs of the user.

SUMMARY

- **Around 18+ years** of experience in design and developing the software application which includes 7+ years of Angular Frontend Developer, UI/UX Designer, Usability consulting and Accessibility for web sites & mobile applications and 11 years of experience in E-learning Platforms.
- Experience in developing **Infor M3 H5 Angular based application** for accessing work-related information from the M3 business system
- Experience in system analysis, design, workflow architecture, development, testing and maintenance of web-based applications.
- Experience developing highly interactive web application utilizing JavaScript, HTML5, CSS, JSON, Angular 11+ and intergrading Restful API's.
- Striving towards creating Universal Responsive Design applications with same content available across all electronic devices (regardless of screen size and devices).
- Skilled at delivering high-quality user experience solution for websites, intranet and business applications by applying proven design principles obtained from experience, industry convention, scientific research and learning.
- Identified UX pain points and provide knowledgeable recommendations for implementing unified user experience
- Six Sigma Green Belt certified professional.

MY SKILLS

User Research & Analysis
- Analyze the business objective
- Conducted stakeholder interviews
- Get the data from existing system
- Identify the users, User Segmentation and Conduct User Interviews
- Prepare Affinity Mapping based on Direct & Indirect data
- Personas & Scenarios development
- Contextual Inquiry
- Identifying Problem Statements, RCA, DIVERGENCE AND CONVERGENCE
- Creating Conceptual Model, Information Architecture

Requirements into Design
- Task flow Diagram, Work flow Analysis
- Identifying: screen types & elements; interaction & navigational elements
- Wireframe creation
- Low-fidelity prototyping and Rapid or Hi-fidelity Prototyping.

- Implementing standards of Section 508, WCAG 2.0, ATAG and ADA guidelines for web. And I used WYSIWIG editor in many content management applications.

Application Development

- Bringing a designer's concept to life with HTML, CSS, JavaScript and JQuery
- Creating tools that enhance how users see and interact with site in any browser
- Application Framework Design
- Design and Develop Angular Components
- Create Typescript Reusable Components and Services to consume REST API's
- Testing the site during development for usability and fixing any bugs
- Angular Service Worker Job in Application
- Server Side Rendering
- Implementing responsive design for mobile apps
- Consulting on SEO best practices

Testing for usability

- Analysis of: performance, satisfaction level, areas of frustration and miscues in navigation
- Heuristic Evaluation
- Unit testing

Web Accessibility

- Involving visually impaired, hearing impaired and physically impaired in design life cycle and making the application more efficient and accessible for general customers or citizens.
- Based on Sec 508/American Disability Act (ADA) conformance to Web Accessibility Guidelines 2.0. (WCAG 2.0).
- Review the W3C WAI's Draft specifications by volunteering on weekly basis.

TECHNICAL KNOWLEDGE

Web Technologies	: HTML5, CSS3, JavaScript, JQuery, Angular 11+, Node JS, AJAX, JSON, Bootstrap, Materialize CSS, MYSQL.
ERP Solution	: Infor
IDE HTML Editor	: ATOM, Visual Studio Editor.
Version Control	: GIT
Prototyping	: Axure RP
Open-Source Knowledges	: Wordpress, Moodle, Joomla, Magento
E-Learning Publishing	: Articulate Story Line / Presenter
Graphic Design	: Adobe Packages, 3DS Max 4.0,
Authoring	: Articulate

EDUCATIONAL QUALIFICATION

B.E – Electronics and Communication Engineering
1995-1999, Madurai Kamaraj University
Year of Completion: 2001

WORK EXPERIENCE

Position: UI/UX Engineer, Angular Developer
Organization: FURTIM TECHNOLOGIES PVT LTD
www.furtimtechnologies.com
Period: May 2016 – Till Now

Working as a consultant for developing "**Infor H5 Application" at Leanswift, a Wipro Company from Mar 2021 to till now**

Products:
- Ftracer
- Mondty
- BuildNxt
- Traqops
    - Clients – CMRL, KCIC, FirstMan Security Service, BVG

Solutions

- CMRL IMetrics
- Travel Booking Solution
- Training and Skill Tracking Solution
- Facility Management System
- Kalnadai Maruthuvar
- Shiney
- Skillup

Responsibilities

- Responsible for front-end UI development using HTML5, SCSS, Typescript, Jquery DataTable, PrimeNG, Angular 12, and RxJS.
- Developed a web application using Angular 12 as front - end and using Web API to receive and pass data to back-end.
- Developed the application using model driven approach by creating different Modules, Components and by using the reusable code.
- Implemented Routing to navigate between the components in the application using the Angular router module.
- Created Angular Components, Directives, Services, Pipes and Reactive Forms to collect the input from User.
- Implemented Services by using HttpClientModule in Angular 12 for making the API calls and inject data into the required components.
- Developed application-level code to interact with the backend and consume the JSON API's by using RXJS Observables.
- Worked on GIT as version control. Utilized NPM scripts for build and test environments.
- Implement Usability Engineering, by employing User Centered Design process to engage the target audience.

- Advocating avoiding reworks and have fully engaged website by iterative process or using UCD process.
- Involve in User Research by qualitative and quantitative methods of data gathering, Develop User, Environment and Task Profiles and create personas.
- Build low fidelity wireframes using Adobe Creative suite, Power point, etc.
- Develop High fidelity wireframes using Rapid prototyping tools like HTML, CSS, Axure, Figma etc.
- Developed/implemented Responsive design (scaling the layout to fit different devices like smart phone and desktop).
- Conducting cognitive or expert reviews on existing applications to provide quick fix and enhance the look and feel.
- Implementing Usability best practices and involve in focus groups sessions with end users. All the tests were task oriented, timed and used think allow protocol. Collected the necessary feedback and incorporated in the design life cycle.
- Verified and implemented Sec 508 or web accessibility for HHS Sec 508 compliance. Doing this enhances the usability of products for Disabled community like visually impaired, hearing impaired and physically impaired.
- Advocating for w3's web accessibility Initiative as volunteer on reviewing the drafts of W3C standards and participating in various activities.

Position: E Learning UX Consultant
Organization: MOBIUS INSTITUTE, AUSTRALIA – CONTRACTOR
www.mobiusinstitute.com
Period: May 2015 – Jan 2016

Responsibilities

- Implement Usability Engineering, by employing User Centered Design process on all products
- Conduct User Research and understand the course designs should fulfill.
- Collect Requirements from end users using various direct and indirect methods.
- Create Personas for different Users.
- Build user scenarios and perform task analysis on the prototypes to improve the efficiency.
- Analysis the existing interface design, navigation and visuals etc
- Implementing Usability best practices and involved end users in User testing and focus groups.

Position: E Learning Designer & Developer
Organization: SKF India Ltd
www.skf.com
Period: April 2004 – February 2015

Responsibilities

- Managing global and domestic projects for e-learning modules
- To design e-learning materials for different product groups
- Analyze project objectives, requirements and target audiences, understand functional and technical content
- Interacted with Subject Matter Experts and develop the storyboard content
- Developed learning objective classification and templates according to the objectives
- Performed project scheduling and content flow charts and assigning tasks and responsibilities
- Created animated audio visual training and learning material using animation software

- To capture and edit the operational videos for e-learning courses
- To execute manual & Usability testing
- Integrate with Articulate and publishing the e-learning courses
- Worked on Learning Management System (LMS - MOODLE) for indexing and publishing the content
- Assisted in the re-designing of existing e learning modules for our Group Company globally
- Maintaining the Server administration and trouble shooting
- Developing the program for protecting CD based product with External Hardware Lock Key (Sentinel HASP HL Key)

Project Environment: Windows, HTML, Articulate, Macromedia Director, Adobe Photoshop, Adobe Flash, Adobe Fireworks, Adobe Premier, 3D Studio Max, Sound forge, PHP, ASP, VB Script, MySQL

Personal Details

Age & Date of Birth	:	44 years & 24th February 1978
Marital Status	:	Married
Language Known	:	English and Tamil
Address	:	No 1, Maruthi Street, Anna Nagar, Pammal, Chennai - 600075

*References furnished upon request.