Subarna B. Khadka

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JUNIOR ANGULAR FRONT-END DEVELOPER

Self-driven | Analytical skills | Teamwork

- A recent graduate from Software Engineering Technology Diploma at Centennial College.
- 1+ years of experience in fast-paced and deadline-driven environments using Angular to different clients of WIMTACH in healthcare and Education domains.
- Performant and high quality code mindset.
- Quick learner, passionate about problem-solving techniques and mathematics.
- Strong interpersonal and communication skills; proven ability to collaborate with team members.
- Self-starting and proactive professional; proven development experience delivering large complex high volume exterprise applications.

TECHNICAL SKILLS

- **Programming:** JavaScript, Typescript, C#, Java, and Python
- **Front-end:** Angular, React, HTML, Javascript, CSS, SCSS, Bootstrap, Flexbox, AJAX, DOM manipulation techniques
- **Back-end:** ASP.NET, Spring, Node/Express
- **Databases:** SQL, MongoDB, and AWS Dynamo DB
- **Testing:** Jest, Jasmine
- **Project Management Tools:** Jira, Trello
- **Other:** Git, STASH, Agile, SDLC, AWS (S3, DynamoDB), JSON, Jenkins

RELEVANT EXPERIENCE

Front-end Developer (Co-op)   April 2021 – December 2021
Centennial College – WIMTACH Toronto, ON | *Client: Xello*
(WIMTACH - Wearable Interactive, Mobile Technologies and Access Centre in Health is a division of Centennial College for applied research and development with industry partners.)

- Worked as a frontend developer to migrate an Angular JS application to an angular 2+ application that involves migrating Angular JS services, filters, controllers, and directives.
- Performed functional testing on the migrated feature and wrote the unit test on Jest, Jasmine, and Karma for more than 80% test coverage.
- Took part in collaborative research of new technology and tools, and shared the findings through product demos, technical demos, and Wiki posts.
- Performed code reviews and provided clear feedback to fellow developers and team members to ensure high-quality software.

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Front-end Developer (Co-op)   June 2020 – January 2021
Centennial College – WIMTACH, Toronto, ON | *Client: Alpha Global-IT*

- Worked as a front-end developer to upgrade a legacy web application using HTML, CSS, TypeScript, Bootstrap, Flexbox, Angular, Angular Material and JSON.
- Responsible for developing maintainable, testable, performant, and reusable services and UI components using the core angular tools and concepts such as Angular Modules, Reactive forms, State Management (Observables, Subscriptions and Subjects), Angular Routing, LazyLoading, Code Splitting Modules and Local Storage.
- Implemented features using user stories, UI mockups, and confluence documents.
- Integrated angular services with the back-end system using REST API calls.
- Took part in building, optimizing, maintaining and bug fixing the application.
- Worked closely with API developers to integrate REST services into Angular frontend.

EDUCATION & ACADEMIC PROJECTS

Software Engineering Technology Advanced Diploma   January 2019 – December 2021
Centennial College, Toronto, ON
- GPA: 4.4/4.5, equivalent to A+
- Recipient of CCSAI Academic Merit Scholarship (2021)
- Recipient of Centennial College Retiree's Association Memorial Scholarship for achieving high academic standings (2020)

Relevant Courses:

Web Interface Design	Client-Side Web Development	Java EE (Spring)
Object-Oriented Programming	Data Structure and Algorithms	API Engineering

Capstone Project:
- Project Title: Grocery List Generator (Angular, Spring boot and MySQL in the first phase and later migrated to MEAN Stack)
- Contributed to developing API endpoints and schema design using Mongo DB Compass and MySQL, developed services and components in the angular frontend using HTTP Client, Angular Material, Angular routing, RxJS, and ngx-formly.

Academic Projects:
- Developed employee management system using ASP.NET Web API, AWS RDS, and Angular 10.0.
- Developed a patient registration system using React, NodeJS, and Express.
- Worked as a team member for a machine learning project to develop a model for the Toronto Bicycle Theft dataset using Python, Scikit-learn, flask and presented the findings in Angular frontend.
- Developed a UI of a realtor's portfolio website using HTML5, CSS3, and flexbox.
- Worked as a team member in developing documents like Software Requirements Specifications (SRS) and Software Design Description (SDD) during different courses related to Software Engineering.