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# ASSIGNMENT

**CB011702**

**LEVEL 5**

**COMP50022 : Commercial Computing**

**IF24A1COM SE**

**Hand Out Date: 30<sup>th</sup> Oct 2024**

**Hand in Date:**

**Individual Assessment 1– As specified in the SAIS**

**Individual Assessment 2– 24<sup>th</sup> week**

**Group Assessment – 24<sup>th</sup> week**

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## **INSTRUCTION TO CANDIDATES**

- 1. Late submission will be awarded zero (0) unless extenuating circumstances (EC) are upheld.**
- 2. Cases of plagiarism will be penalized.**
- 3. The assignment should be submitted as softcopy via LMS**
- 4. All evidences related to the sprint implementation in group assignment must be show cased in the final documentation.**

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## ***Introduction***

My career aspiration is to become a full stack developer to create user friendly and dynamic web and applications. I am a developer who always wanted to merge my problem-solving skills with creativity and deliver the best digital experience to the user. As a software developing field is a rapidly developing field, I can utilize the new technologies offered by the community to improve my web development career.

I decided to follow full stack development as my career because of my strong interest in software and system development.

## ***Career Goals***

### **Short-Term Goals**

- I am going to complete a LinkedIn certification in Agile. PMI Agile Certified Practitioner by January 2025.
- I am going to build and publish an ecommerce store and my portfolio website to showcase design and development skills by February 2026.
- I am going to obtain a software engineer internship role in a reputed organization by October 2026.

### **Medium-Term Goals**

- I am going to start web development freelancing to gain hands on industry level experience by March 2027.
- I am going to participate in a few full stack development hackathons and conferences to improve my professional growth by 2027.
- I am going to successfully complete my (BEng)Software Engineering with a first class by 2027.

## Long Term Goals

- To complete a LinkedIn certification in cloud management. Cloud Management with Microsoft Intune by 2030.
- I will start my master's degree in computer science by 2030.
- I will promote my career to at least senior software engineer position in a reputed tech company by 2030.
- I am going to establish a platform or a YouTube channel by 20230 and share relatable stories about my journey in software engineering while bringing edutainment to motivate students.

## *Skills Requirements*

Category	Skill	Link
Academic	AWS Certification	<a href="#">Laravel Full Stack Developer</a>
	Bachelor's degree in software engineering, Computer Science or related fields	<a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Cloud Full Stack Developer (.NET)</a> <a href="#">Java Developer (JBoss)</a> <a href="#">Senior Frontend Developer(Experience)</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Intern Software Engineer</a> <a href="#">Lead - Software Developer (C/C++)</a> <a href="#">Senior Backend Engineer - .NET</a> <a href="#">Senior Software Engineer Vue.js</a>
	Certifications in Azure Cloud Services or Kubernetes	<a href="#">Cloud Full Stack Developer (.NET)</a>
Technical	proficiency in PHP and the Laravel framework, front-end technologies, Frameworks/Libraries: Laravel, Vue.js	<a href="#">Laravel Full Stack Developer</a> <a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Senior Frontend Developer(Experience)</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Intern Software Engineer</a> <a href="#">Senior Software Engineer Vue.js</a>
	version control systems, Software Development, Testing Tools: Cypress, Selenium, CI/CD Tools: Jenkins	<a href="#">Laravel Full Stack Developer</a> <a href="#">Cloud Full Stack Developer (.NET)</a> <a href="#">Java Developer (JBoss)</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Lead - Software Developer (C/C++)</a> <a href="#">Senior Backend Engineer - .NET</a> <a href="#">Senior Software Engineer Vue.js</a>
	database design and management	<a href="#">Laravel Full Stack Developer</a> <a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Cloud Full Stack Developer (.NET)</a> <a href="#">Java Developer (JBoss)</a> <a href="#">Senior Backend Engineer - .NET</a> <a href="#">Senior Full Stack Engineer</a>

	Web Fundamentals	<a href="#">Senior Frontend Developer(Experience)</a> <a href="#">Intern Software Engineer</a>
	Testing & Deployment, Debugging	<a href="#">Senior Frontend Developer(Experience)</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Intern Software Engineer</a> <a href="#">Lead - Software Developer (C/C++)</a> <a href="#">Senior Backend Engineer - .NET</a> <a href="#">Senior Software Engineer Vue.js</a>
	Frameworks/Technologies: .NET Core, MVC, Entity Framework, REST API, React	<a href="#">Cloud Full Stack Developer (.NET)</a> <a href="#">Java Developer (JBoss)</a> <a href="#">Senior Full Stack Engineer</a>
	Middleware/Message Brokers: IBM MQ configuration	<a href="#">Java Developer (JBoss)</a>
	Programming Languages: C#, TypeScript, JavaScript, C/C++	<a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Intern Software Engineer</a> <a href="#">Lead - Software Developer (C/C++)</a> <a href="#">Senior Backend Engineer - .NET</a>
	Full-Stack Development	<a href="#">Senior Full Stack Engineer - Copperleaf</a>
	Software Architecture: Proposing and designing software architecture	<a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Senior Full Stack Engineer</a>
	Develop automation solutions, PowerShell scripting	<a href="#">Senior Full Stack Engineer</a> <a href="#">Senior Backend Engineer - .NET</a>
	Cloud Infrastructure	<a href="#">Intern Software Engineer</a>
	algorithmic programming and performance optimization	<a href="#">Lead - Software Developer (C/C++)</a>
<b>Professional</b>	problem-solving and troubleshooting skills, work independently and in a team, good communication and collaboration	<a href="#">Laravel Full Stack Developer</a> <a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Cloud Full Stack Developer (.NET)</a> <a href="#">Java Developer (JBoss)</a> <a href="#">Senior Frontend Developer(Experience)</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Intern Software Engineer</a> <a href="#">Lead - Software Developer (C/C++)</a> <a href="#">Senior Backend Engineer - .NET</a> <a href="#">Senior Software Engineer Vue.js</a>
	Agile development	<a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Cloud Full Stack Developer (.NET)</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Senior Backend Engineer - .NET</a>
	Self-motivated, proactive, and adaptable, Willingness to innovate and improve existing processes	<a href="#">Senior Full Stack Engineer - Copperleaf</a> <a href="#">Senior Frontend Developer(Experience)</a> <a href="#">Intern Software Engineer</a> <a href="#">Lead - Software Developer (C/C++)</a> <a href="#">Senior Backend Engineer - .NET</a>

		<a href="#">Senior Software Engineer Vue.js</a>
	Leadership and team mentorship, Provide technical guidance to a team of developers	<a href="#">Cloud Full Stack Developer (.NET)</a> <a href="#">Senior Full Stack Engineer</a> <a href="#">Senior Backend Engineer - .NET</a>
	Comfortable working in an international environment	<a href="#">Java Developer (JBoss)</a>
	Customer and service-oriented mindset	<a href="#">Java Developer (JBoss)</a>
	analytical skills	<a href="#">Intern Software Engineer</a>
	Strategic thinking	<a href="#">Lead - Software Developer (C/C++)</a>

### *Skills Audit*

Category	Skill	Skill Level (0 - 5)
Academic	AWS Certification	0
	Bachelor's degree in software engineering, Computer Science or related fields	3
	Certifications in Azure Cloud Services or Kubernetes	0
Technical	proficiency in PHP and the Laravel framework, front-end technologies, Frameworks/Libraries: Laravel, Vue.js	2
	version control systems, Software Development, Testing Tools: Cypress, Selenium, CI/CD Tools: Jenkins	0
	database design and management	3
	Web Fundamentals	4
	Testing & Deployment, Debugging	3
	Frameworks/Technologies: .NET Core, MVC, Entity Framework, REST API, React	3
	Middleware/Message Brokers: IBM MQ configuration	1
	Programming Languages: C#, TypeScript, JavaScript, C/C++	3
	Full-Stack Development	3
	Software Architecture: Proposing and designing software architecture	0
	Develop automation solutions, PowerShell scripting	0
	Cloud Infrastructure	1
	algorithmic programming and performance optimization	2

<b>Professional</b>	problem-solving and troubleshooting skills, work independently and in a team, good communication and collaboration	4
	Agile development	1
	Self-motivated, proactive, and adaptable, Willingness to innovate and improve existing processes	3
	Leadership and team mentorship, Provide technical guidance to a team of developers	2
	Comfortable working in an international environment	2
	Customer and service-oriented mindset	3
	analytical skills	2
	Strategic thinking	2

### *Reflection*

#### Academic Reflection

I have mentioned a Bachelor's degree in software engineering because it reflects my technical and theoretical knowledge in software engineering, my logical thinking, programming and algorithmic skills were developed by this degree by the way certifications like AWS, Azure Cloud Services, and Kubernetes are lacking from me and I need to gain those certifications to uplift my full stack career furthermore particularly for cloud infrastructure related full stack jobs. I will earn these certifications through LinkedIn courses.

#### Technical Reflection

In technical skills since I have a solid foundation in web technologies, I have mentioned it. And since I have a quite good knowledge of database management and programming languages such as C#, JavaScript, and frameworks such as react, .NET so I have mentioned them. However, my skills in version control systems, CI/CD tools and testing tools are not good enough therefore I have graded them appropriately. Also, my software architecture tools, and Middleware tools need attention. I will focus on strengthening those areas by doing more individual projects and contributing to open-source projects and I must develop my power to shell scripting knowledge and automation.

## Professional Reflection

My knowledge in problem solving analytical and critical thinking will be handful for the professional roles. My experience in Agile development which I gained through LinkedIn learning and being a self-motivated character who has team spirit, and a good independent worker and my communication and ability to work in international environment will be handful. I have mentioned my leadership and team mentorship skills which I gained through my school and university experience. although my innovation skills are limited. I must improve my innovation skills by doing more individual projects.

## ***SWOT***

### Strengths

- Strong Technical background in (JavaScript, .NET, Node.js, MySQL) by doing university projects.
- Strong Academic background undergraduate (BEng (Hons) Software Engineering)
- Experience in team projects working with team members in academic time period.
- Being able to work in tighter schedules in pressure situations.
- Analyzing complicated challenges and find creative challenges.

### Weaknesses

- Lack of industry experience or internships to verify my skills.
- Basic Knowledge in MySQL should be expanded to more No SQL database systems like MongoDB and more.
- Current projects are not enough to showcase on a portfolio for full stack developer role.
- Limited experience in backend frameworks such as Angular.
- Limited experience in handling large API integration.

## Opportunities

- Global demand for full stack developers are rising day by day. (Gormley, 2023)
- Opportunity to work remotely or online freelancing for clients globally.
- Opportunity to begin a startup after gaining experience from industry.
- High availability of online certifications in full stack development.
- Build Connection with industry professionals by participating in tech meetups. ([www.techclarity.coach](http://www.techclarity.coach), n.d.)

## Threats

- Economic Instability in Sri Lanka affecting local the job market and increase employment uncertainty.
- High competition in job market from other candidates. (Indeed Career Guide, 2024)
- Demand for junior levels of professions might be reduced because of less code or no code tools. (Eleken.co, 2024)
- Securing an international job is challenging due to high chances of visa rejection in countries such as Sri Lanka.
- In freelancing conflicts between client's expectations could lead to project cancellation.

## Action Plan

Goal	Action Required	Success Criteria	By When	By Whom
<b>Short-Term Goals</b>				
Complete LinkedIn certification in Agile (PMI Agile Certified Practitioner)	Enroll in the LinkedIn learning course and complete all videos.	Obtain PMI Agile Certified Practitioner certificate.	January 2025	Myself
Build and publish an ecommerce store and portfolio website	Design and develop an ecommerce store and a portfolio website using web technologies.	Make sure both ecommerce store and portfolio are live and functional.	February 2026	Myself
Secure a software engineer internship role	Apply and prepare for an interview and secure an internship.	Secure an internship role in reputed tech company	October 2026	Myself
<b>Medium-Term Goals</b>				
Start web development freelancing	Registering a freelancing site as a freelancer and seeking clients.	Finding new clients and projects and completing projects.	March 2027	Myself
Participate in full-stack development hackathons/conferences	Actively participate in conferences based on my profession.	Participate and gain more connections.	2027	Myself
Complete BEng in Software Engineering with first class	Attend lectures and successfully complete assignments.	Achieve a first-class degree in software engineering.	2027	Myself
<b>Long-Term Goals</b>				
Complete LinkedIn certification in Cloud Management (Microsoft Intune)	Enroll in the LinkedIn learning course and complete all videos.	Obtain Cloud Management with Microsoft Intune certificate.	2030	Myself
Start a master's degree in computer science	Search about universities and choose one to start the course.	Enroll in computer science master's degree program.	2030	Myself
Promote to Senior Software Engineer position	Gain experience in the industry and seek promotions.	Secure a senior software engineer role in a reputed tech company.	2030	Myself

Establish a YouTube channel/platform	Find a platform and create content.	Lauch the platform and gain more attention in professional space.	2030	Myself
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### ***References***

- Gormley, J. (2023). Are Full Stack Developers in Demand? - Code Institute Global. [online] Code Institute Global. Available at: <https://codeinstitute.net/global/blog/are-full-stack-developers-in-demand/> [Accessed 12 Jan. 2025].
- Indeed Career Guide. (2024). The Pros and Cons of Being a Software Engineer. [online] Available at: <https://www.indeed.com/career-advice/finding-a-job/pros-and-cons-of-being-software-engineer>.
- Eleken.co. (2024). Is Low-Code/No-Code the Future of Software Development? [online] Available at: <https://www.eleken.co/blog-posts/is-low-code-no-code-the-future-of-software-development> [Accessed 12 Jan. 2025].
- www.techclarity.coach. (n.d.). Participating in Hackathons and Competitions – TCC. [online] Available at: <https://www.techclarity.coach/buildingyourportfolio/ParticipatinginHackathonsandCompetitions>.

## *Appendices*

### **STARR Technique Worksheet**

Q1: Tell us about a time where your communication skills made a difference to a situation

#### **SITUATION - Resolving a Family Issue**

Few years ago, there was a conflict between my parents and their siblings on an inherited land. My parents always stayed with the decision of selling the property and splitting the money among siblings, but others did not like that idea. After noticing how much damage it has done to the family, I stepped up thought of helping them find the best option to resolve the conflict.

#### **TASK**

My job was to help both sides to communicate better and understand each other's opinions and take a decision which everyone would agree. And I had to make sure the conflict would not damage the family anymore.

#### **ACTION**

##### **Understanding the Problem:**

First, I spoke with my parents to understand why they stuck with the option of selling the property.

And then I listened to the situations of other siblings and their reasons for not selling the property. And I listened about every party's opinion without taking any sides.

##### **Finding Common Ground:**

After listening to all the families, I observed that although they had different opinions at the end of the story everyone wanted to keep the unity of the family at any cost.

##### **Arranging a Family Meeting:**

I planned a family meeting. Before the meeting I requested everyone to stay calm and listen to each other before blaming each other. During the meeting I made sure everyone got a chance to explain their opinion again.

### **Proposing Solutions:**

Based on what I knew about the situation I proposed a few ideas and. Then I encouraged them to look at the positives and negatives of their ideas and come to a middle ground that worked for all.

### **Encouraging Compromise:**

I reminded them that no piece of property was more important than family relationships.

### **RESULT**

After that discussion every party agreed on a solution where they would divide the land into equal parts and give the ownerships to each member as a single owner.

### **REFLECT**

This situation taught me the importance of communication, patience, listening, and helping others to come to a common goal could make a huge difference in resolve disagreement.

Q2: Describe a situation where you used your leadership skills and initiative to take control

### **SITUATION - Leading a Team**

Few months ago, during a university assignment where I was a leader of a group of my team was asked to build a taxi managing software using C# language. Although we had a clear goal our team felt short about the unclear responsibilities, communication and slower progression. Since the deadline dates were closing in and team members were struggling.

### **TASK**

As the leader I needed to ensure that each member understood their team roles and I should divide the project into manageable tasks for each member. And I had to restore the communication issue within the team. Address any challenges and motivative every member to complete their tasks.

### **ACTION**

1. Held a meeting to understand the challenges and to deeply understand what is causing delays.
2. They gave each member a different set of tasks according to their strengths and gave them clear goals.
3. Found a communication method and scheduled weekly meetings for progress updates.
4. Supported team members by troubleshooting their technical and other issues.
5. Let them collaborate with each other and made a environment for them to mentor each other's technical issues.

### **RESULT**

My team completed the project successfully on time and our team members received compliments for the project from the lecturer.

### **REFLECT**

I learned the importance of good leadership, resilience, clear communication and motivation and importance of setting shorter goals. In future if I get a chance to lead a team again, I will prioritize setting short and clear goals.

Q3: Give an example of how you made a positive contribution to a team and what the outcome was

#### **SITUATION - Network report contribution**

During the module networking and cybersecurity my team was assigned a group project to design the network infrastructure for a fictional company. We had to consider all the security measures and many more requirements, and some members struggled to meet specific requirements and some information which slowed down our progress and affected overall assignment.

#### **TASK**

My task was to help the members understand what the requirements are and contribute to the assignment by writing the report for the project.

#### **ACTION**

1. Explained about the concepts like firewalls and tunnelling to teammates.
2. Wrote a detailed report about our network we proposed.
3. Review every error where team members have inserted into the reports.

#### **RESULT**

We successfully completed the project and received higher grades. And team members gained better knowledge and understanding of cybersecurity field.

#### **REFLECT**

Learned the value of sharing knowledge and teamwork and how it helps teamwork to accomplish.

**Q4:** Describe a time when you had several tasks to complete and what plans you made to ensure you completed them effectively?

#### **SITUATION – Balancing family duties and academic**

What happened? When did it happen? Where were you at the time?

Few months ago, I had to plan my cousin sister's birthday party. And this happened in the same week I had my semester exams and submissions, and I had to manage all my academic and family events that happened in the same weeks.

#### **TASK**

What did you need to do in this situation?

I needed to make sure that I complete my assignments and academic work and also organize my sister's birthday party on time.

#### **ACTION**

What action did you take? What steps did you take?

1. I prioritized on urgent task first such as booking a venue for the party.
2. I assigned few of the minor tasks in party for my family members so that I can focus on my academic work more.
3. I planned my weekly schedules to balance both academic and family responsibilities.
4. Created a Todo list to keep the work organized.

#### **RESULT**

What was the outcome of the situation? What difference did your actions make?

The party was a complete success, and I successfully completed all my assignments and managed to pass all my exams with good with merit and above grades.

#### **REFLECT**

What did you learn from this situation? Would you do things differently?

This whole experience reminded me of the value of time management, task prioritization and assigning and trusting team members. And I believe that this concept of completing tasks without gaining much pressure.

Q5: Describe a time when you were faced with a difficult decision and how you decided what to do

#### **SITUATION – Choosing education path**

Few years ago, I was in a position where I had to choose my future higher education whether to continue doing A-levels or enroll in a foundation program which could take me to higher education skipping A-levels. Both options had different advantages and disadvantages.

#### **TASK**

I needed to decide the path I am going to continue my education with and choosing options would be affecting my future career as well. Doing Alevels and then getting selected to a government university or starting a degree program after doing foundation course at a private university

#### **ACTION**

1. Alevels would take a long time for completion and getting selected for a government university is not guaranteed by the other hand foundation program offers a quicker path to higher education.
2. I had few consultations with some of the teachers and industry employees and most of them recommended foundation course to me.
3. I joined Asia Pacific Institute of Information Technology to start my foundation course.

#### **RESULT**

Successfully completed foundation Program and started the degree.

#### **REFLECT**

Choosing foundation program helped me improve my decision-making skills, time management and many more skills including adaptability to situations and problem-solving skills.

## Skills Matrix

### Your skills

In the space to the right, write above each number the name you gave to each of your stories.

Starting with story number 1 work down the list and mark the box if you have used the skill listed in each of your stories.

Resolving a Family Issue	Leading a Team	Network report contribution	Family duties and academics	Choosing education path
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### Employability skills

Teamwork	1	2	3	4	5
Contribute to discussions and share ideas	✓				
Compromise your ideas based on team decisions			✓		
Complete tasks by agreed team deadlines		✓		✓	
Share progress with team members		✓	✓		
Attend team meetings		✓	✓		
Encourage and inspire fellow team members		✓	✓		
Help team members		✓			
Understand and respect team members behaviours, actions and responses (emotional intelligence)	✓	✓			
Leadership	1	2	3	4	5
Take responsibility for a task		✓			
Manage a team or project		✓		✓	
Assign and delegate tasks				✓	
Supervise, manage, coordinate		✓		✓	
Teach, train or instruct		✓		✓	
Set deadlines				✓	
Initiate, lead, be a pioneer		✓		✓	
Motivate and inspire		✓			
Interpersonal skills	1	2	3	4	5
Persuade and sell					
Influence					
Negotiate and resolve conflicts	✓				
Advise		✓		✓	
Help people link up or connect					
Raise people's self-esteem and motivate			✓		
Serve, care for, help					
Offer good customer service					
Convey warmth and empathy					
Communication	1	2	3	4	5
Written					

Reports				
Essays				
Emails/letters				
CV				
Use spell/grammar check				
Construct an argument	✓			
Legal documents				
Technical documents				
Verbal	✓	✓	✓	
Speak clearly and concisely		✓		✓
Tailor message to the audience		✓		
Ask good questions, interview, draw out information				✓
Deliver presentations to groups		✓		
Actively listen and respond to others	✓	✓		
Divert, amuse, entertain, perform, act				
Organisation skills	1	2	3	4
Prioritise workload		✓		✓
Set goals		✓		✓
Manage your time		✓		✓
Manage competing demands				
Meet deadlines		✓		✓
Meet targets		✓		✓
Accommodate additional, unexpected tasks				✓
Use a time management tool – eg MS Outlook				
Create a Gantt chart				
Follow instructions faithfully			✓	

## Thinking skills

Problem solving and decision making	1	2	3	4	5
Take a logical and analytical approach					
Analyse, break down into parts		✓		✓	
Create, innovate and invent					
Design, use artistic abilities, be original		✓	✓		
Visualise					
Imagine and envision					
Develop, improve					
Make decisions				✓	
Produce a solution		✓		✓	
Be curious (questioning mindset)					
Enterprise and entrepreneurialism	1	2	3	4	5
Anticipate potential problem and adapt (enterprise)					
Use your initiative					
spot gaps in the market and innovate					
work independently	✓		✓		

- have original ideas
- Trying something new
- Improving a process to increase efficiency or boost results

				<input checked="" type="checkbox"/>
1	2	3	4	5
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
			<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>

## Technical skills

- Make, produce, manufacture
- Examine, inspect, compare, see similarities and differences
- Study, observe
- Repair
- Set up, assemble
- Use specialist equipment
- Use specialist software
- Use specialist techniques
- Use programming languages
- Use Microsoft Office
- Speak languages
- Assess, evaluate, treat
- Construct
- Shape, model, sculpt
- Operate, drive
- Treat, cure
- Play an instrument
- Create software
- Create games
- Animate

## Personal skills

## Confidence Resilience

1	2	3	4	5
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>			

Willingness to learn  
Positive attitude  
Perseverance and motivation  
Ability to work under pressure and handle stress  
Adaptability/flexibility  
Professional behaviour

	✓	✓	✓	✓	✓
	✓				
	✓			✓	
	✓			✓	
	✓				

# RISINU KALUARACHCHI

## SOFTWARE ENGINEERING UNDERGRADUATE

 +94771559994

 risinuh@gmail.com

 Colombo, Sri Lanka

 <https://github.com/Rixdeve>

 <https://www.linkedin.com/in/risinu-kaluarachchi-419220227/>

### SUMMARY

Motivated Software Engineering student with hands-on experience in full-stack web development using JavaScript, Node.js, React, MySQL, and Tailwind CSS. Passionate about creating innovative web applications and solving real-world problems in collaborative environments.

### EDUCATION

#### SCHOOL

Wesley College, Colombo

**2011 – 2022**

#### COMPUTING FOUNDATION

APIIT Lanka

**2023 – 2024**

#### (BENG) SOFTWARE ENGINEERING

Staffordshire University

**2024 – Present**

### SKILLS

#### Technical Skills

- Web Technologies
- Database Management
- Software Development

#### Soft Skills

- Communication
- Time Management
- Team Collaboration
- Resilience

### PROJECTS

#### TAXI MANAGEMENT SYSTEM

Developed a functional Taxi management application.

- C#
- OOP
- MYSQL

#### WILD VIBE WEBSITE

Designed an attractive, responsive & functional website.

- CRUD
- HTML
- CSS
- JS
- LOCAL STORAGE

#### PORTFOLIO WEBSITE

Designed an attractive project portfolio.

- HTML
- CSS

### REFERENCES

#### Asia Pacific Institute Of Information Technology

Tharanga Peiris

Senior Lecturer – School of Computing

Email: [tharanga@apiit.lk](mailto:tharanga@apiit.lk)

Kamila Zeenath Hidaya

Senior Lecturer – School of Computing

Email: [zeenath@apiit.lk](mailto:zeenath@apiit.lk)

## LinkedIn Account

The screenshot shows a LinkedIn profile page. At the top, there's a navigation bar with icons for Home, My Network, Jobs, Messaging, Notifications (with 24 notifications), Me, For Business, and Learning. Below the navigation bar, the user's profile picture and name 'Risinu (Riveen) Kaluarachchi' are displayed, along with the text 'Software Engineering Undergraduate at APIIT Institute, Staffordshire University'. There are buttons for 'Resources', 'Add profile section', and 'Open to'. A sidebar on the right lists 'People you may know' from the user's industry, including 'Eranda Hemachandra' (Software Engineer @ Xaventra). The main content area shows an 'About' section with a bio about being a Software Engineering student and having experience in full-stack web development. It also shows an 'Activity' section with 232 followers, a post from the user, and a 'Create a post' button. A 'Show all analytics' button is also present.

## Job Advertisements

The screenshot shows a job listing for a 'Laravel Full Stack Developer' at 'IDM Nations Campus International - Colombo, Western Province, Sri Lanka (On-site)'. The job posting includes a 'Position Overview' section detailing the role requirements: seeking a PHP/Laravel developer with 3 years of experience, proficiency in Vue.js components, and Python expertise. It also lists 'Qualifications (Candidate should have)': strong PHP/Laravel knowledge, front-end technologies like HTML, CSS, JavaScript, MySQL database management, Eloquent ORM, version control systems (Git), software development principles, problem-solving skills, communication, and Python experience (optional). There are buttons for 'Save' and 'In Easy Apply' on the right. A sidebar on the right shows a 'Messaging' section with a message from 'Eranda Hemachandra'.

**in** Search

**Senior Full Stack Engineer - Copperleaf**  
IFS · Colombo, Western Province, Sri Lanka (On-site)

Ideally, you have the following experience, but we also recognize that talent comes in many forms, so we're looking for passion, enthusiasm, and transferrable skills:

- At least 5 years of software development experience
- Proficient in C# and .NET
- Experience with building RESTful web applications.
- Experienced with relational databases such as Oracle
- In-depth knowledge of HTML, CSS, and JavaScript
- Strong understanding of both Angular and AngularJS framework
- Experience with Cypress or Selenium is an asset
- Strong in design patterns, OOP concepts, and SOLID principles
- Experience working in cloud-based architectures
- Experience with Azure Cloud Services and Kubernetes is an asset

**About you:**

- You're a team player and enjoy working in a dynamic environment.
- You understand and know how to communicate complex technical issues.
- You are keen to work in a fast-paced, agile development culture.
- You collaborate well with those in and outside of your team.
- You have an eye for detail and it shows in your design, coding, and review.
- You're self-motivated, flexible, pragmatic, proactive, and able to handle a variety of tasks.
- You're a great team member and act with respect, courtesy, and discretion.

**Messaging** ...

**in** Search

**Cloud Full Stack Developer (.NET)**   
Hexaware Technologies · Colombo, Western Province, Sri Lanka (On-site)

something digital for digital's sake, it should solve problems that were previously not solvable. It should encourage us to dream big and find new answers. Let's dream together.

**Requirements**

- 6+ years of IT experience with hands-on experience using .NET full stack including React, C#, .NET Core, MVC, REST API, Entity Framework, SQL Server, Azure services.
- 4+ years of experience with design & development Azure Services such as Azure API Manager, Service Bus, Azure Functions, Event Hub, Event Grid, LogicApp, Azure DevOps pipelines, and Azure monitoring solutions, Application Insights, Storage, Azure AD and Azure SQL Database.
- Prior experience conducting unit testing, integration testing, and performance testing of .NET applications.
- Prior experience ensuring adherence to coding standards, code reviews, and quality assurance processes.
- Prior experience proposing architecture/design, and the ability to drive discussions with customers.
- Able to understand client requirements and communicate technical solutions to customers, SMEs and developers.
- Adherence to coding standards, code reviews, and quality assurance processes.
- Solid understanding of software development best practices, design patterns, and architectural principles.
- Excellent leadership, communication, and interpersonal skills with the ability to lead and mentor a team.
- Microsoft Azure certifications (e.g., Azure Developer Associate, Azure Solutions Architect).
- Experience with containerization and orchestration technologies such as Docker and Kubernetes.
- Familiarity with Agile/Scrum methodologies and experience working in Agile teams.
- Bachelor's degree in a related field.

**About Hexaware:** ...

**in** Search

**Java Developer (JBoss)**   
Hexaware Technologies · Colombo, Western Province, Sri Lanka (On-site)

something digital for digital's sake, it should solve problems that were previously not solvable. It should encourage us to dream big and find new answers. Let's dream together.

**Requirements**

- 5+ years' hands-on experience with application programming in Java/J2EE.
- Experienced in Spring framework and related patterns in MVC.
- Experienced in Maven.
- Experienced in JSP, JSF, JMS and IBM MQ configuration.
- Good knowledge of Design patterns and experience in their implementation.
- Good understanding of application servers in JBoss EAP preferred.
- Experienced in Service Oriented Architecture & Webservices development.
- Excellent analytical, problem solving skills.
- Knowledge in database management, SQL, Hibernate
- Knowledge using CI tools like Jenkins.
- Knowledge using SVN, Git.
- Team player with strong communication skills.
- Customer and service-oriented, confident working in an international environment.
- Very high proficiency in English.
- Bachelor's Degree in a related field.

**About Hexaware:** ...

**Senior Frontend Developer (Experience)**  
Multiplier - Colombo, Western Province, Sri Lanka (Remote)

**What do I need?**

- 5+ years of industry experience in a similar engineering role, preferably building a SaaS product. You can demonstrate significant impact that your work has had on the product and/or the team.
- Deep knowledge of Javascript and web fundamentals with strong proficiency in CSS/HTML. Having exposure to TypeScript would be good as well.
- Highly skilled in one or more Front End stacks (which include React, VueJS, Svelte, Angular etc.) but it doesn't need to be a stack that we use here! Great people are effective and learn what we use quickly (or introduce us to better ways of working).
- Understanding of testing, build process, deployment, and effective delivery of Front End applications over the cloud.
- Willingness to quickly learn and use new technologies or frameworks.
- Extremely data-driven.
- Work with and solve problems of very complex nature and enjoy doing it.

Feel free to apply even if you feel unsure about whether you meet every single requirement in this posting. As long as you're a quick learner, and are excited about changing the status quo for tech recruitment, we're happy to support you as you come up to speed with our tech stack.

**Perks**

- Flexible vacation.
- Flexible work times.
- Work from anywhere.
- Equipment you need to do your job
- Health Insurance

**Senior Full Stack Engineer**  
Association of International Certified Professional Accountants - Colombo, Western Province, Sri Lanka (On-site)

**You will:**

- Provide technical guidance to a team of developers. Sharing best practices, promoting code quality, and encouraging a culture of learning and improvement.
- Design full-stack web applications. This includes working with front-end technologies such as HTML, CSS, JavaScript frameworks (e.g., React, Angular, Vue.js) and back-end technologies like server-side languages (e.g., Java, Python, Ruby) and databases (e.g., SQL, NoSQL).
- Lead the architectural design and overall technical approach for projects, collaborate with the partners to understand requirements, translate them into technical specifications, and make informed decisions on technology stack, frameworks, and database design.
- Build scalable and secure APIs to facilitate seamless data exchange between the server and client-side components.
- Develop CI/CD pipelines to improve developer productivity, agility, and code quality.
- Conduct testing and debugging to resolve software defects and issues.
- Work in an Agile development environment, participate in code reviews, and contribute to the continuous improvement of the development team. Develop automation solutions to help teams to build and deploy code.
- Manage performance of enterprise applications, ensuring continuous improvement, responsiveness, accountability, and seamless service for customers.
- Take an active role in System Requirement Analysis and provide quality estimates and timelines for support tasks for projects and enhancement requests.
- Document technical specifications, architectural decisions, and project-related information.

**Intern Software Engineer**  
Multiplier - Colombo, Western Province, Sri Lanka (Remote)

**What Will You Be Doing?**

- Collaborating with senior engineers, product managers, and designers to contribute to the development of product features, from ideation to deployment.
- Writing clean, maintainable code to build and improve features that enhance customer success and satisfaction.
- Supporting the team in testing, debugging, and ensuring high-quality code delivery.
- Learning and working with modern web technologies, cloud infrastructure, and scalable systems.
- Taking ownership of smaller tasks or projects and driving them to completion with mentorship from senior engineers.

**What Do You Need?**

- Currently pursuing or recently completed a degree in Computer Science.
- A solid foundation in programming with exposure to at least one high-level language (e.g., Java, Python, JavaScript, Go).
- Basic knowledge of web development fundamentals (HTML, CSS, JavaScript) and familiarity with at least one front-end framework (React, Angular, Vue.js, etc.) is a plus.
- Interest in learning cloud infrastructure tools (AWS, Google Cloud, etc.).
- A growth mindset with the ability to pick up new tools and technologies quickly.
- Enthusiasm for solving technical problems and working collaboratively in a team environment.
- Strong analytical skills and a keen eye for detail.
- Bonus: Previous experience with personal or academic projects showcasing web or software development.

Feel free to apply even if you feel unsure about whether you meet every single requirement in this posting. As long as

**Lead - Software Developer (C/C++)** Synopsys Inc - Colombo District, Western Province, Sri Lanka (On-site)

- Strong debugging and troubleshooting skills.

**Who You Are:**

- An excellent communicator with strong interpersonal skills.
- A team player who thrives in collaborative environments.
- A problem solver with a keen eye for detail.
- A self-motivated individual with a passion for continuous learning.
- A strategic thinker with the ability to manage multiple tasks effectively.

**The Team You'll Be A Part Of:**

You will be joining a dynamic team focused on developing the Synopsys HAPS® Prototyping Solution. Our team is dedicated to improving time-to-market and avoiding costly device re-spins by enabling early embedded software development and allowing hardware and software co-design well ahead of chip fabrication. We work closely together to accelerate software development, hardware verification, and system validation from individual IP blocks to complete SoCs.

**Rewards and Benefits:**

We offer a comprehensive range of health, wellness, and financial benefits to cater to your needs. Our total rewards include both monetary and non-monetary offerings. Your recruiter will provide more details about the salary range and benefits during the hiring process.

**Senior Backend Engineer - .NET (Portfolio Companies: Sitecore)** IFS - Colombo, Western Province, Sri Lanka (On-site)

**Qualifications**

**Requirements:**

- Bachelor's degree in Computer Science, Engineering, or a related field.
- 2-4 years of experience in software development.
- Proficiency in C#, .NET, and Visual Studio or similar IDE.
- Experience with CI/CD tools like GitHub actions or TeamCity equivalent pipelines.
- Experience with SQL Server and SQL queries.
- Strong problem-solving skills and attention to detail.
- Excellent communication and teamwork skills.

**Nice to have:**

- Knowledge of PowerShell scripting.
- Knowledge of Containers: Docker and Kubernetes
- Knowledge of Azure: managing and deploying resources
- Experience with Agile/Scrum methodologies

**Additional Information**

*We embrace flexibility and hybrid work opportunities to support diverse needs and lifestyles, while also valuing inclusive workplaces. By fostering a sense of community we drive innovation, strengthen connections, and nurture*

**Senior Software Engineer Vue.js** Virtusa - Colombo, Western Province, Sri Lanka (Hybrid)

**About the job**

- Build and maintain scalable and responsive user interfaces using the Vue 3.0 framework.
- Develop microfrontend architectures with module federation for dynamic and distributed components.
- Ensure mobile-responsive designs that comply with accessibility standards (AA-level) as per legal guidelines.
- Write and maintain automated tests, including: Unit Tests using JUnit, Mockito, Component Tests with Cucumber, Integration Tests
- Collaborate with the QA team for overall integration, exploratory, and performance testing.

[See less ^](#)

**Set alert for similar jobs**

Senior Software Engineer, Colombo, Western Province, Sri Lanka

[Set alert](#)

**About the company**