Anas Malvat

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EDUCATION

Dalhousie University - GPA: 4.23/4.30   Halifax, NS, Canada
Masters in applied computer science   *Jan. 2022 – June 2023*

Gujarat Technological University - CGPA: 8.92/10   Ahmedabad, Gujarat, India
Bachelor of Engineering in Information Technology   *Aug. 2017 – Aug 2021*

EXPERIENCE

Creator   June 2023 - Dec 2023
Alpha Algo | React, Node, AWS, S3, DynamoDB, ELB, EC2, ECS, Route53, Redux, CSS.   *Halifax, NS, Canada*
- Founder of Alpha Algo, a dynamic coding platform with **50+ users**, developed responsive interface with React
- Engineered a Node & Express backend with REST APIs, ensuring **100% protection** against XSS, CSRF attacks.
- Automated deployment with Docker, Nginx, and shell scripting on Amazon EC2, while engineering AWS multi-region backend micro-services, **reducing server costs by 40%.**

Freelance Software developer   Aug 2023 - Dec 2023
Dalhousie University | Gitlab API, ReactJs, Node.js, Express.js, Redux, TailwindCSS, CSS.   *Remote*
- Developed **GitLab Visualization tool**, to monitor students across **three courses** for Dalhousie University.
- Reduced assessment time by **89% (from 160 to 18 hours)**, saving over **$10,000 annually** for the university.
- This tool tracks student's GitLab activities, such as contributions, code commits, and merge requests.

Co-Founder   Mar 2023
Dalhousie Computer Science Leaders Society | Competitive Coding, System Design   *Halifax, NS, Canada*
- Established a society at Dalhousie University, empowering **100 enrolled** students to excel in competitive coding.
- Organized first-ever summer code camp at Dalhousie University, hosting five live coding session for 100+ students.

Software Developer co-op   Jan 2023 - May 2023
Canada Revenue Agency | Java, Angular, TypeScript, RxJs, Jenkins, OpenShift, PostgreSQL, Junit.   *Remote*
- Created microservice in Agile environment using Java, PostgreSQL & Maven **reducing manual efforts by 60%.**
- Integrated gRPC for communication, **7X faster** than REST API. Conducted testing with JUnit & Mockito.
- Developed Angular app for bulk uploads with Solace, automated deployment of Docker on OpenShift via Jenkins.

Computer Science Teaching Assistant   Sept 2022 - Dec 2023
Dalhousie University | Cloud Computing, Data Structures & Algorithms, Network Security   *Halifax, NS, Canada*
- Mentored **200+ students** in AWS, Docker, CloudFormation, Kubernetes, Data Structures, Algorithms.
- Mastered cloud architecture through **30+ student** report reviews, leading live sessions on AWS serverless design.

Software Developer   Nov 2020 - Oct 2021
Cromson Technologies | Python, Java, Angular, TypeScript, MongoDB, AWS, S3, SQS.   *Gujarat, India*
- Elevated e-commerce engagement through Agile development using Django, Spring, React, and NodeJs.
- Developed Angular component for customer-facing interface, increased user interaction time by **22%.**
- Refactored codebase for Java Spring & Python Django for online invoice payment app, reducing **uptime by 7%.**
- Implemented efficient RESTful APIs in Node.Js, resulting in a **20% decrease in response time.**

AWARDS AND CERTIFICATIONS

AWS Certified Solutions Architect - Associate: *Amazon.*
AWS Certified Cloud Practitioner: *Amazon.*
GeeksForGeeks: *Ranked **Top 50 worldwide** on GeeksForGeeks coding platform.**(1350+ problem solved in C++).**

SKILLS

Languages & Databases : C, C++, JavaScript, TypeScript, Java, Python, SQL, MongoDB, MySQL, postgreSQL.
Frameworks & Others: Redux, RxJS, gRPC, Hibernate, Maven, JUnit, Django, Agile Methodology, Design Patterns
Web Technologies: HTML, CSS, Angular, ReactJs, NodeJs, ExpressJS, Tailwind CSS, RESTful API.
Technologies: Git, Docker, GCP, Kubernetes, OpenShift, AWS, Shell Scripting(Bash), OAuth2,GraphQL, Jira.
Personality: Leadership, Team Player, Organized, Disciplined, Critical Thinking, Excellent Communication.

PROJECTS

Dalhousie Multifaith Service | *ReactJs, Python Django, Gitlab CI, SonarQube, MongoDB, MySql, Heroku*
- Designed the platform following agile methodology to help 20000+ students overcome mental health issues.
- Implemented clean coding practices including Test-Driven Development, Design Patterns, and SOLID principles.

Serverless Bed & Breakfast | *Git, ReactJs, Amazon Web Services, GCP, Cognito, Lambda, SNS, S3, Docker, MongoDB*
- Developed a multi-cloud hotel reservation system, ensuring high availability with a combination of GCP & AWS.
- Followed various functionalities, including authentication and user registration using a multi-cloud paradigm.

Relational Database Management System | *Core JAVA, SQL, Git*
- Spearheaded a distributed management system that operates in two virtual instances on Google Cloud Platform.
- Ensured data integrity by handling duplication, primary key constraints, and foreign key constraints.

REFERENCES

Professor Robert Hawkey: *Senior Instructor, Faculty of Computer Science, Dalhousie University. —*
rhawkey@dal.ca
Docter Srinivas Sampalli: *Senior Professor, Faculty of Computer Science, Dalhousie University. —*
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