Mayyar Al-Atari [](https://github.com/MayyarAA) [](https://www.linkedin.com/in/mayyar-al-atari-64b76b112/) [Shape

Description automatically generated with low confidence](https://mayyaraa.github.io/FrontEndProtfolioProject/)[Logo, company name

Description automatically generated](https://mayyaralatari.medium.com/)

Software Engineer

Management Engineering, Honours | Faculty of Engineering | University of Waterloo | mayyar1235@gmail.com

**Technical Skills**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * Java | * JavaScript | * Node.js | * Go/Golang | * React.js | * C# .NET Core | * SQL & NoSQL | * GraphQL |  |  |  |  |  |  |
| * AWS | * Python | * Spring | * Design Patterns | * Docker | * OWASP | * OAuth 2.0 | * Lambda |  |  |  |  |  |  |

**Experience**

## server-side software Engineer | Reuters |    09/2021-Current

* Developed logic for **optimistic concurrency control** of multi-instance read/write to NoSQL DB documents
* Utilized **Test Driven Development** with automated unit & E2E testing in **CI/CD** pipeline, **code coverage of 87%**
* Built server-side real-time application utilizing **WebSockets**, persistent connections, & **client affinity**
* Developed architecture for real-time WebSocket app, **reducing tight coupling** between server & client-side apps
* Refactored API project in **Domain Driven Design** application, improving **code structure** and performance

## Cybersecurity software Engineer | ceridian-dayforce | 09/2020-06/2021

* Worked on enterprise Identity **microservice** implementing **Identity Server 4** framework utilizing **OAuth2** & **OIDC**
* Developed **MultiFactor Authentication** Service for global user base, utilizing **Twilio** for added security
* Identity Microservice utilized by multiple microservices handling all SSO & MFA, with Azure Region deployment
* Built **JWT Access** tokens with Revocation Endpoint for RFC 7009, **mitigating** man-in-the middle attack
* Configured security **static analysis** tool using VeraCode, resolving over significant vulnerabilities in production code

## full-stack software Engineer | ceridian-dayforce |  04/2020-08/2020

* Built Service for automated DB Restores across all non-prod environments, **saving 40h/week** of work
* Designed algorithm for optimizing DB backups by accounting for disc space limits, **reducing memory consumption**
* Built microservices in React.js & **Node.js** for internal data consumption, with an active user base of employees
* Developed custom **Smart Search** functionality with infinite loading, **virtualizing 10,000+ elements on DOM in .48s**
* Smart Search function used to optimize user queries, leading to a reduction of API response time by 70ms

## Full-Stack Software Engineer | MAnulife/ john hancock | 08/2019-02/2020

* Shipped two full-stack web applications using **React.js**, **Express.js**, **Node.js,** and hosted on **Azure**
* Responsible for 5,000 employee records, with **120,000+ data points** to produce internal Social Networking app
* Designed 2NF normalized database schema & launched DB on Azure, reducing on-premises costs by **$25,000/yr**
* Released Social Networking Skills web app resulting in a **40%** increase in **employee engagement** **& satisfaction**
* Developed Responsive Web App utilizing **React-Virtualized** Functional Components, **Hooks Context** API
* Built **REST API** Endpoints utilizing Express.js, with **Access tokens** in API headers, API response time 200ms

**Projects**

[**Booking Payments Application (Node.js, Passport.js, AWS EC2)**](https://www.hangrygroup.com/)

* Architected and built web app for service-oriented small businesses to use QR codes to allow customers to view menus, with integrated payment utilizing **Stripe API**. App & MongoDB Deployed on **AWS T2 EC2** instances.

**Education**

**University Of Waterloo |** Management Engineering-Computing Specialty | Honours-Co-op