

Mayyar Al-Atari

Software Engineer



4B 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
- CI/CD

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)

- 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