Saleh Shehata

Creative Problem solver who learns something new everyday

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Experience

Software Engineer, Plaid Inc., Salt Lake City, Utah   *April 2021 - Sep 2022*

- Worked on new integrations to banks and maintained existing integrations (USAA, Citi, Chase,etc..) mainly in Typescript, NodeJS, Grpc and REST.
- Wrote systems design specifications to solve complex system architectural problems.
- Worked on micro-services using Golang, Grpc and Golang Gin framework.
- Worked on platform systems in Typescript and Golang.
- Be on on-call rotations and fix incidents.
- Onboard new team members.
- Worked with banks on data access integrations and troubleshoot issues.
- Worked with external and internal stakeholders to ship products.
- Worked on a cron job that helps refreshing and maintaining oauth tokens.

Senior Software Engineer, Target, Salt Lake City, Utah   *Oct 2018 - Dec 2020*

- Added new features to the main Connected Commerce back-end PHP stack like multi line phone activation which added traction to target's mobile activation service.
- Developed and deployed new Spring boot microservices as part of moving from legacy monolith architecture to a micro-services architecture to handle traffic to the mobile activation platform and to further integrate with third party API's on a faster pace.
- Created Java Gradle/Maven dependencies for the Spring boot framework that reduces boilerplate code and increased productivity.
- Created Stochastic testing Gradle/Maven dependencies to auto-generate REST payloads and test scenarios for Scala and Java.
- Designed and implemented a proof of concepts for new technologies to be introduced into the stack.
- Implemented performance tests in Gatling Gun Framework in Scala and Jmeter to test how the micro-services perform under load and scale depending on the tests..
- Designed and implemented Kafka multi-serializer error handling strategy and dead letter queue using Scala and Java.
- Designed and implemented a spring boot Async scope framework that allows normal Spring boot's request scoped interceptors to work asynchronous methods annotated with @async in a Spring boot application multi-threaded and AOP tasks.
- Implemented a spring boot Gradle/Maven dependency that swaps beans in runtime that helped with enabling existing services to call different endpoints for the same services in different clusters, while not changing the code base of the caller services.
- Designed and implemented a performance testing application for Kafka consumers.
- Designed and implemented an SDK and a Gradle/Maven framework to synchronize data from two data sets in two different cloud providers Kafka.
- Implemented the front-end micro-service for an internal testing tool that creates test cases for specific APIs in ReactJS for the front-end and Golang Gin framework for the back-end.

Jr Software Engineer, Taxbit, Salt Lake City, Utah   *Sep 2018 - Oct 2018*

- Worked on the frontend migration from Angular 1 to Angular 5.

Production Engineer, Infosys, Salt Lake City, Utah   *May 2018 - Aug 2018*

- Respond to incidents and resolve recurring issues and incidents as planned
- Identify the root cause and resolve highly complex issues/incidents
- Provide implementation support to software developers

- Automate manual tasks by writing scripts. Participate in building, testing and release activities as per project requirements

Open Source Project Experience:

easy-injectionJs (npm package)   *April 2018-May 2018*

A javascript/typescript dependency that provides stereotypical dependency injection using well-known design patterns like singleton, prototype, observable and factory design patterns for any framework/program that uses typescript. Meaning that it not only provides dependencies in runtime but also it injects them according to specific design patterns.

- Designed and developed custom class, function and property decoration to build virtual containers in run time.
- Implemented algorithms to provide circular dependencies and inheritance.
- Designed and developed Observable/Observer design pattern stereotype.

Education

Clarkson University, Potsdam, NY   ***Aug 2016 - Dec 2017***
Bachelor of Science: Computer Science, GPA: 3.15
University of Alexandria, Alexandria Egypt   ***Sept 2013 – June 2016***
B.S Computer Engineering, GPA: 3.0