Allen Tokjuman

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TECHNICAL SKILLS

Backend: Java, Spring Boot, Apache Camel, NodeJS (Express/NestJS), Python, Django, Flask, Golang, Gin, .NET Core C#
Frontend: React, Typescript, NextJS, Redux, Apollo GraphQL, Angular, HTML, CSS/SASS, Jest, Cypress, Webpack
DB/Cloud: Postgres, MongoDB, CosmosDB, Azure, AWS, GCP, OCP, OpenShift, Kubernetes, Docker, Terraform, Ansible, Kafka, AMQ, RabbitMQ, Redis, Jenkins, Elasticsearch, Logstash, Kibana, ACR, APIM, Okta, Maven, JUnit, Hibernate, JMeter
General: REST API, GraphQL, Agile, Git, Microservices, Code Review, Unit test, Unix, Containers, CI/CD, IaC, DevOps, ORM

EXPERIENCE

Software Engineer II
June 2024 – Present
Teranet Inc. — *Toronto, ON*

- Backend SWE in an Agile team that develops 12 middleware-based distributed microservice APIs for 10+ product teams.
- Lead developer in rewrite of monolith JBoss SOAP service into 12 distributed REST API microservices spanning 36 endpoints with Spring Boot and Apache Camel, expanded JUnit test suite and wrote OCP templates, improving to 150K calls per day.
- Developed a Java Spring distributed request audit service with asynchronous processing and request caching through AMQ messages and Redis, created ETL data pipelines, Hibernate entities to use Azure CosmosDB Postgres, 12 APIs adopted td.
- Successfully exposed 12 REST APIs to Azure APIM, configured AKS, Redis, load balancer and wrote policy fragments for Okta auth, Terraform templates and publisher/extractor CI/CD pipelines to automate deployments, onboarded 30+ dev teams.
- Developed a Document Blob microservice using Java Spring Boot, Azure Blob Storage and ELK stack, performing source data collection and transformation through Elastic Beats and Logstash, refined Elasticsearch templates for optimal query indexing.
- Migrated container registry/dependencies from Artifactory to ACR, updating Openshift Kubernetes templates, Jenkins CI/CD release and promotion pipelines and migration batch jobs for secrets from HashiVault to CyberArk, 25% improved build time.
- Modernized 12 applications with JDK, Spring, and base image upgrades, and increased JUnit test suite code coverage to 90%.
- Developed a Java Spring Boot pub-sub distributed microservice using Apache Kafka streams, enabling client teams to consume topic feeds for push notifications, 2FA and automated emails, providing high availability and reliability with 70K calls per day.

Intermediate Fullstack Software Developer
June 2021 – June 2024
FAST Enterprises LLC — *Toronto, ON*

- Fullstack dev in an Agile scrum team that feature developed a state-level tax revenue web app used by 50+ jurisdictions.
- Reworked React class-based components, hooks, Apollo Client GraphQL queries on NextJS in Collection system to functional components, reusable custom hooks & new Typescript interfaces, with 20 Jest unit tests, resulted in 25% smaller bundle size.
- Lead developer in onboarding AMEX payment SDK, integrating helper class & ORM entities with Node/Nestjs REST API payment routes, allocates funds & writes to Azure MongoDB with Spark, unit tested in Selenium, $2M+ funds allocated ytd.
- Led reworking of React graphing components, SASS classes and 50 SSRS Postgres queries to use clustered indices for joins & updated group statements, with new Kafka streams for async-write & cached in Elasticsearch, for 20% improved query speed.
- Implemented Entra SSO auth in Azure-hosted .NET Core C# REST API auth-handler routes, wrote Terraform config files, updated Docker files and managed AKS Kubernetes cluster through Ansible, for 24H access and 35% reduced 2FA volume.
- Standardized ESLint rules for TypeScript releases, updated Webpack plugins & enabled Jenkins build tests to run in parallel.

Software Engineer Intern
Apr. 2020 – Sep. 2020
Solutions Stores Inc — *Mississauga, ON*

- Developed MDnius, a SaaS digital clinic app for family practice clinics, in Agile team on JIRA with BitBucket Version Ctrl.
- Deployed a clinic signup portal on AWS with React, Nextjs, Typescript, SASS, a Dockerized Node/Nestjs REST API on an ArgoCD & CircleCI pipeline, AWS RDS, wrote Terraform EKS cluster config, streamed Kafka events & cached in Redis.
- Migrated AWS ECR container EC2 instances, security rules & tasks, to Lambda functions, reduced monthly costs by 15%.

Software Developer Intern
Apr. 2019 – Sep. 2019
Polymet Solutions Corp. — *Mississauga, ON*

- Created an Angular/Python & Spark webtool, and Airflow scheduling AWS Redshift data transfer when uploading CAD file.
- Wrote Apache Spark Python scripts & AWS Step functions to read from Redshift and integrate with Dockerized pyautocad plugin application to analyze files and generate frequent layers/arcs in new CAD files, for a 15% CAD workflow timesaving.
- Built a sheet automation scripter in Golang/Gin, deployed on AWS ECR through EC2 instances with EKS cluster, to save reports in S3 Bucket and automated report generation for accounting team, resulting in 30% Excel compilation timesaving.

PROJECTS

GamesAtlas | at.games-atlas.xyz | Front-end Github Repo | Back-end Github Repo
June 2023 – Present

- Developed a videogame encyclopedia web-app, with 1500+ monthly users, using IGDB API, to provide game info (artworks, game videos, reviews, links), an in-depth filter page by parameters (platform, rating, age, genre, theme, game dev) and sorting (popularity, rating, age), and recommendations based on user game prefs (platform, genre, theme, type) and wishlisted games.
- Frontend built with React (SSR, middleware, hooks, context), NextJS (v13 /pages), Typescript (custom interfaces/types, fctn signatures, response uniformity), Axios for fetching, MUI, NextAuth (External OAuth, JWT/DB sessions), responsive CSS.
- REST API deployed on DigitalOcean as a Dockerized NodeJS (Express/TS), PostgreSQL, and Nginx (proxy) container to query IGDB, parse data for endpoints, enable 2FA with SMTP, and SQL transactions to store user details/wishlist/activity.

EDUCATION

Queen's University
Kingston, ON
Bachelor of Applied Science in Computer Engineering (Dean's List Scholar) — *Sep. 2017 – Apr. 2021*

- Teaching Assistant for 3rd year ECE courses – ELEC326 Probability & Random Processes, ELEC374 Digital Systems.