

Allen Tokjuman

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TECHNICAL SKILLS

Backend: Java, Spring Boot, Apache Camel, Node.js (Express/Nest.js), Python, Django, Ruby on Rails, .NET Core C#

Frontend: React, TypeScript, Next.js, Vite, Redux, Apollo GraphQL, Angular, HTML, CSS/SASS, Jest, Cypress, Webpack

DB & Cloud: Postgres, MongoDB, DynamoDB, Azure, AWS, GCP, OpenShift, Kubernetes, Docker, Terraform, Ansible, Kafka, AMQ, RabbitMQ, Redis, Jenkins, Elasticsearch, Logstash, Kibana, Tomcat, APIM, Okta, Maven, JUnit, Hibernate, Datadog

General: REST API, GraphQL, gRPC, Agile, Git, Microservices, Unit test, Unix, Containers, CI/CD, IaC, DevOps, ORM

EXPERIENCE

Software Engineer II

Teranet Inc.

June 2024 – Present

Toronto, ON

- Backend SWE in an Agile team developing 15 product and middleware distributed microservices for 10 SaaS product teams.
- Lead developer in rewrite of monolith JBoss SOAP service to 12 distributed REST API microservices with 36 endpoints in Java, Spring Boot and Apache Camel, integrated Datadog and wrote new OCP templates, improving to 150K calls per day.
- Developed a Java Spring Boot distributed request audit service with asynchronous processing and request caching through AMQ and Redis, created ETL data pipelines, implemented entity classes for Azure CosmosDB Postgres, 12 APIs adopted td.
- Successfully exposed 20 REST/GraphQL APIs to APIM, configured AKS, Redis, load balancer and wrote policy fragments for Okta JWT, Terraform config files and publisher/extractor CI/CD pipelines for deployments, onboarded 30+ dev teams td.
- Implemented a Java Spring Boot pub-sub microservice using Apache Kafka streams, enabling client teams to consume topic feeds for push notifications, 2FA and internal data analytics, providing high availability and reliability with 70K calls per day.
- 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 wrote Sidekiq batch jobs for secrets from HashiVault to CyberArk, 25% faster build time.
- Modernized 11 applications with JDK, Spring, and base image upgrades, and increased JUnit test suite code coverage to 90%.

Intermediate Fullstack Software Engineer

FAST Enterprises LLC

June 2021 – June 2024

Toronto, ON

- Fullstack dev in an Agile scrum team that feature developed a state-level tax revenue web app used by 50+ jurisdictions.
- Reworked Next.js React class-based components, hooks, Apollo GraphQL queries used in Collection system to functional components, reusable custom hooks, updated Redux store & new TypeScript interfaces, resulted in 25% smaller bundle size.
- Lead developer in onboarding AMEX payment SDK, integrating helper class & ORM entities with Node.js Nest.js REST API payment routes, allocates funds & writes to AWS DynamoDB with Spark, unit tested in JUnit, \$9M+ funds allocated td.
- Implemented Entra SSO auth in AWS-hosted Python Django REST API auth-handler routes, wrote Terraform config files, updated Docker files and managed EKS Kubernetes cluster through Ansible, for 24H access and 35% reduced 2FA volume.
- 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.
- Standardized ESLint rules for TypeScript releases, updated Webpack plugins & enabled Jenkins CI/CD parallel build tests.

Software Engineer Intern

Solutions Stores Inc

Apr. 2020 – Sep. 2020

Mississauga, ON

- Fullstack SWE in a SaaS startup, developed MDnius, a virtual health app for family practice clinics, in Agile team on Jira.
- Deployed a clinic signup portal on AWS with React, Next.js, TypeScript, SASS, a Dockerized Node.js/Nest.js REST API on an ArgoCD & CircleCI pipeline, AWS RDS, wrote Terraform EKS cluster config, streamed Kafka topics & cached in Redis.
- Migrated AWS ECR container EC2 instances, security rules & tasks, to Lambda functions, reduced monthly costs by 15%.

Software Developer Intern

Polymet Solutions Corp.

Apr. 2019 – Sep. 2019

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), Next.js (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 Node.js (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

Bachelor of Applied Science in Computer Engineering (Dean's List Scholar)

Kingston, ON

Sep. 2017 – Apr. 2021

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