Allen Tokjuman

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QUEEN'S UNIVERSITY | BASC COMPUTER ENGINEERING (HONORS) | DEAN'S LIST SCHOLAR   2017 - 2021
- Teaching Assistant for 3rd year ECE courses – ELEC326 Probability & Random Processes, ELEC374 Digital Systems Engineering.

Work Experience

FAST ENTERPRISES LLC | .NET SOFTWARE DEVELOPER & TEAM LEAD   **2021 - PRESENT**
- Team Manager in AGILE team responsible for maintenance of Housing & Dental Programs with client, Ministry of Finance.
- Lead developer on new Interac payment functionality by integrating helper class to route funds to MOL bank accounts, with existing payment routes in REST API on C# .NET framework, tested in MSTest, processing $2M+ and removing manual calculation.
- Led meetings with MOL staff, gathering requirements for Remittance Report, which aids in reconciling mailed payments with system payment records, using an efficient PostgreSQL query and automated on a weekly basis through an SMTP server instance.
- Streamlined user authentication by implementing single sign-on on Azure-hosted REST API containers, reducing automated 2FA text volume by 35% and providing MOF staff with seamless 24-hour access.
- Led the reworking of over 50 client reports in Collections subsystem, optimizing underlying SQL queries for approximately 20% faster report generation by ensuring proper table joins using clustered indexes and removal of redundant group statements.

SOLUTIONS STORES INC | SOFTWARE ENGINEER INTERN   **2020 - 2020**
- Contributed to MDnius, a virtual health clinic app for family practice clinics across Ontario, as part of an agile development team.
- Led a significant internship project by gathering client requirements, creating UI mock-ups & filling Kanban board with milestones.
- Successfully deployed a registration portal for clinics, hosted on AWS, using React, SASS, Bootstrap and a Flask/PostgreSQL REST API container to securely pass data to existing public user containers, streamline sign-up flow and reduce manual intervention.
- Migrated AWS EC2 container instances, security rules & tasks to Fargate, lowering maintenance and monthly server costs by 15%.

QUEEN'S WEB DEVELOPMENT TEAM | EXECUTIVE WEB DEVELOPER   **2019 - 2021**
- Managed a team of 4 students in the development of a React SPA website for a dental practice certification clinic in Kingston.
- Reviewed Git pull requests, delegated development tasks, and led meetings with the client to document their requirements.
- Conducted weekly open-to-all seminars on current industry web development libraries and tools to enhance team skills.
- Provided technical guidance to developers, resulting in a successful website launch and minimal post-deployment maintenance.

POLYMET SOLUTIONS CORP | SOFTWARE DEVELOPER INTERN   **2019 - 2019**
- Deployed and managed Docker containers on Kubernetes containing Python scripts with SQL Server to generate company balance reports, automate and send emailed reports to accounting team, resulting in 30% time savings spent on Excel sheet compilation.
- Leveraged pyautocad to develop automation scripts for analyzing company mill-liner CAD files, resulting in a streamlined process for new drawings by auto-generating commonly used layers, points and arcs to simplify CAD workflow and reduce file imports.

Projects

GAMESATLAS | at.gamesatlas.xyz | ☐ Frontend | ☐ REST API
- Developed a videogame encyclopedia web-app, with 1500+ monthly users, using IGDB API, to provide game info (artworks, game videos, reviews, official 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, response data uniformity, fctn signatures), Axios for data fetching, MUI, NextAuth (External OAuth, JWT/DB sessions, 2FA), responsive CSS.
- REST API deployed on DigitalOcean as a Dockerized NodeJS (Express/TS), PostgreSQL, and Nginx (proxy) container to query IGDB and parse data for endpoints, enable 2FA with SMTP server, and database transactions to store user details/wishlist/activity.

AT KICKS | atkicks.allentok.com | ☐ Frontend | ☐ REST API
- Developed a POC ecommerce shoe storefront containing 30+ shoes' details (brand, model, price, release, colors, images), and an all products page to filter on parameters (brand, model, edition) and sort (price, name, release), as well as cart/checkout sessions integrated with Stripe, Toast notifications on cart activity (add/remove), order tracking and user 2FA.
- Frontend built with React (Server/Client SR, server actions, context providers), NextJS(v14 /app), Typescript, Axios, MUI, Tailwind, Stripe (checkout session provider, cart state & react-toast notifications, invoices), NextAuth (OAuth through Google, Spotify, Discord, Twitch, Github and database internal JWT sessions, 2FA).
- REST API hosted on DigitalOcean as a Dockerized NodeJS (Fastify/TS), PostgreSQL, and Caddy (proxy) for secure data endpoints enabling SSR in FE, updating inventory post-checkout, automating emails, and store Stripe user orders/details.

Skills

Frontend: React, NextJS, Angular, Typescript, CSS, Tailwind, Bootstrap	**Backend:** Node, Express, Fastify, Django, Flask, .NET, C#, Java, Spring, Docker	**DB:** SQL, Postgres, MongoDB	**Cloud:** AWS, Azure, DigitalOcean, Kubernetes	**General:** RESTful API, Git, Version Control, HTTPS, AGILE, OOP, DSA, CI/CD, Unit testing