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.
· Reworked legacy React class-based components/hooks in Collection subsystem to functional components and custom hooks, verified with 20+ Jest Unit test scripts resulting in approximately 25% removal of re-used hooks and reducing bundle size.
· 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.
· Streamlined user authentication by implementing single sign-on on Azure-hosted REST API and reworked existing Docker containers, reducing automated 2FA text volume by 35% and providing MOF staff with seamless 24-hour access.

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.
· Successfully deployed a registration portal for clinics, hosted on AWS, using React, SASS, Bootstrap and a Django/PostgreSQL REST API container to securely pass data to prod user-app Docker 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%.
· Led a significant internship project by gathering client requirements, creating UI mock-ups & filling Kanban board with milestones.

POLYMET SOLUTIONS CORP | SOFTWARE DEVELOPER INTERN   2019 - 2019
· Managed Docker containers on Kubernetes and worked on new API routes in a Python/Django REST API with SQL Server to generate and automate company balance reports for accounting team, resulting in 30% time savings spent on Excel compilation.
· Developed a SPA Angular web app for engineers to upload CAD files and use BigQuery to export them to Google Drive.
· Subsequently, wrote Google Cloud Functions to pass payload to DB-layer API and integrate with existing pyautocad plugin scripts which analyze files and auto-generate frequent layers and arcs in new CAD files, resulting in 15% design workflow timesaving.

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.

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, Ruby, Golang, Django, Flask, .NET, C#, Java, Spring, Docker	DB: SQL, Postgres, MongoDB	Cloud: AWS, Azure, Google Cloud, Kubernetes	General: RESTful API, Git, Version Control, HTTPS, AGILE, OOP, DSA, CI/CD, Unit testing