**Brian Su**

416-318-5069 linkedin.com/in/Brian-Su-opentowork Toronto, ON BRIANSU2004@hotmail.com

# Objective

I am seeking **Senior Consultant or similar** in a challenge environment.

# Qualifications/Skills

* Overall: 28 years in IT, with extensive industrial experience for Government, Banking, Insurance, Energy, Telecom, Healthcare, Pharmaceutical, Postal Service, Consulting etc.
* Full Stack: Java, Python, Golang, Node.js, C#, Shell Scripts; API, Microservices, RESTful, gRPC, GraphQL, WebSocket; Spring Boot, Django; UI/UX; Responsive progressive cross devices web/mobile apps with JavaScript and TypeScript (Angular, React), Material
* Cloud: GCP, AWS, Azure, Snowflake, Heroku, Salesforce; OpenShift; Auto-scaling with custom metrics; Kubernetes; Kafka; PaaS, IaaS, SaaS; Cloud deployment, Cloud migration
* DevOps: CI/CD, pipeline; Git, GitLab; Containerization orchestration, Docker; Terraform, Jenkins, Ansible; YAML; Test Automation; Azure DevOps Services
* Data Business: Big Data, ETL, Data Integration, Data Migration, Data Analytics, Data Visualization, Data Quality, Data Warehouse; NoSQL, MongoDB, DynamoDB, BigQuery; Oracle, DB2, MS SQL, PostgreSQL, MySQL; Data Grid; Redis; PL/SQL, TSQL
* Architect: High Level and Low Level with modern design patterns such as Cloud Native, Message Driven, Automatic Scaling, BFF, Sidecar, Strangler; UML diagram; Security (oAuth, OpenID Connect, JWT, SAML; TLS, SSL; Asymmetric, Hashing), Performance, Usability, Scalability, Availability, Accessibility (AODA, WCAG 2.0 Level AA & AAA)
* Methodologies: Scrum Agile, RAD Agile, Hybrid, JIRA, Confluence; SDLC; ITSM, ITIL
* Communication: composing and presenting slides; solutions recommendation; decision making; active listening; key points summarizing; action planning; problem solving

# Work Experience

**Contractor (Sutek Information Technology) Dec 2020 - Present**

**Sr. Consultant Toronto, ON**

* Designed, developed, deployed and managed Microservices Java RESTful APIs to OpenShift and GCP for Telus Communications
  + Used Stoplight studio to design new APIs (OAS 2 & 3 YAML) and upgrade the old SOAP web services (with WebLogic) to RESTful with Java, Spring Boot and Maven.
  + Created the old and new API mapping document for upstream callers; composed the downstream APIs for internal usage; designed API changes to work with external vendors and downstream providers.
  + Utilized Swagger Editor and Swagger Maven plugin to create Java client classes.
  + Implemented Application Gateway BFF pattern to onboard new APIs and used OAuth2 tokens and scopes on enhance the security controls.
  + Used Jenkins to build CI/CD OpenShift pipelines with Git Azure DevOps.
  + Managed Microservices Java Spring Boot applications with RedHat OpenShift; Configured OpenShift to auto-scaling (up and down as needed).
  + Monitored applications with Prometheus graphs and Grafana dashboards.
  + Documented everything in the share drive for knowledge sharing.
* Built a knowledge-based ontology graph database application for Mastech Digital
  + Converted relational data model to Graph data model and imported to Neo4j.
  + Used Python NLP libraries and Azure Cognitive Services APIs to analyse data, extracted entities, key phrases, and categories, then do sentiment analysis with data science algorithms in Jupyter Notebook.
  + Visualized the ontology knowledge graphs with Neo4j Bloom and search phrases.
* Created a progressive web application for a federal government client
  + Used React, TypeScript, Material UI, HTML 5, CSS3, Router, i18n, axios, formik, yup, lodash, clsx, Jasmine, Karma and S3 on front-end, AWS Lambda functions, Node.js, Amazon API Gateway, Amazon Aurora PostgreSQL on back-end.
  + Used CI/CD pipelines for different projects with Azure DevOps and AWS CloudFormation, CloudBuild, CodeCommit, CodePipeline.
  + Created UI/UX mockups and wireframes with Balsamiq Studio.
  + Created an Azure DevOps organization and an Azure DevOps project; Integrated Azure Repos with the DevOps project and Azure boards; Created a CI/CD pipeline for the React application (Build, staging and production); Used Azure test and feedback tool to identify and create work items (bugs) and manual testing with Azure Test Plans; Created a dashboard for an overview of the DevOps project.
* Designed and implemented Cloud functions and CI/CD data pipelines in Google Cloud for a large multinational company
  + Programmed cloud functions in Python and Golang.
  + Configured one cloud function to monitor incoming Pub/Sub messages then save to BigQuery, another cloud function to archive data from BigQuery to GCS bucket in avro format with Cloud Schedule.
  + Created unit tests with mock and integration tests for test coverage;
  + Built a stress testing multi-threading tool for performance benchmark and adjusted Cloud Function configuration.
  + Managed all GCP infrastructure as code with Terraform scripts, parameterized all cloud functions, automated everything and enabled auto-scaling.
  + Designed and built the CI/CD pipelines with Cloud Source Repository, Cloud Build and GCP Container Registry with Docker and YAML; set up the triggers for the test pipelines and prod pipeline; configured multiple test pipelines can run concurrently.
  + Worked on Dataflow pipelines with Apache Beam SDK for Java and Maven.
  + Handed over high quality detailed runbook documentation

**Accenture Apr 2015 - Aug 2020**

**Sr. Consultant Toronto, ON**

* Worked on a GraphQL single page web app POC (upgraded from RESTful APIs)
  + Used MongoDB as the NoSQL database and Mongoose as the object modeling tool.
  + Implemented schema, queries, mutations and resolvers with Node.js on the server side and tested with GraphQL playground / Studio
  + Utilized Angular on the client side with Apollo client GraphQL library.
  + Used Executor to do the schema stitching
  + Hosted web app with NGINX and Apollo GraphQL Server.
* Built on an open-to-public online web application for a government client
  + Designed the new application with Angular, Material, NVM, IBM WebSphere Application Server Liberty, Oracle, Django REST to replace the old IBM Curam.
  + Program Angular components, services, pipes, translations, forms, data tables, animations and ad-hoc UI/UX pages with JavaScript, RxJS, Material, i18n etc.
  + Developed backend REST API services with Python, Django REST and Postman.
  + Used GitLab to mange code repository, merge and pipelines.
* Created a Spring Boot RESTful application for a large telecommunication client
  + Initialized the Spring Boot project with Gradle and some dependencies.
  + Built a Dockerfile to run microservices in the Docker container.
  + Created another Dockerfile for WireMock and used it mock the external dependencies for the Service Virtualization pattern.
  + Added JUnit integration tests to verify the correctness of service execution.
  + Worked with vendor APIs and did the integration tests.
  + Increased the application performance by utilizing Java 8 features like Lambda expressions and Stream API for Bulk data operations on collections.
  + Prepared multiple Spring Boot profiles for different settings.
  + Used docker-compose to define and run WireMock and service containers together.
  + Built front-end progressive web app with Angular and Angular UI Bootstrap CSS.
  + Created new components with Angular CLI, applied routes, structured modules and components, managed states with observable store, ran unit tests with Karma.
* Designed solutions to migrate On-Prem applications to GCP for a large pharmacy client
  + Discussed with business owners and other vendors to plan the detailed runbook and matrices in both high level and low level.
  + Moved all Informatica applications (MDM, WildFly, EDC, IDQ, AXON) from on-premise to Cloud (OpenShift and Google Cloud Platform) with VMware Tanzu Kubernetes Grid containerization solutions and NoSQL BigQuery migration.
  + Planned integrations with Tanzu Mission Control and Supervisor Services to build, run and manage a Kubernetes environment from a single control point.
* Implemented an end-to-end Customer 360 project for client Manulife
  + Built and deployed a Java application on WebSphere Application Server with Spring Data JPA to analyze the MDM log files and present the match and merge reports to the data stewards to review the data conflicts and manually merge them.
  + Integrated data from 8 legacy applications with Informatica PowerCenter ETL.
  + Improved data quality with IBM DataStage and QualityStage.
  + Created golden data and managed reference data with IBM InfoSphere MDM.
  + Led the change requests with detailed runbook.
* Refactored a commercial banking PaaS application for client National Bank of Canada
  + Designed ETL tables in MS SQL Server based on the new business requirements
  + Used Apex data loader to reconcile data to Salesforce Cloud.
  + Improved the performance by tuning the whole CRM process and automation - monthly outage windows were shorted from 15 hours to 5 hours.
  + Upgraded to real time data sync with IBM DataStage, IBM MDM REST web services and Salesforce bulk API to integrate data changes to Salesforce Cloud in Phase II - no more downtime eventually.

**Contractor (Ontario Ministry of Health and Long-Term Care) Dec 2014 - Mar 2015**

**Senior Consultant Toronto, ON**

* Migrated monolith applications (JSF, Struts, Hibernate, JSP, Servlet, JDBC, jQuery) to Microservices, and new WebSphere platform with better tech stacks (JPA, Spring Boot); integrated Spring Security to validate the users; designed data model in Oracle.

**Temenos Group Oct 2014 - Dec 2014**

**Senior Consultant Toronto, ON**

* For large financial clients like RBC and Deutsche Bank, worked on the flag product Wealth Manager with jQuery, Struts, Spring, BOM, JSP, Servlet, Tomcat and JUnit.

**Contractor (Bank of Montreal) Jun 2014 - Oct 2014**

**Senior Consultant Toronto, ON**

* Worked in Scrum Agile way on a new project with Java, Spring, Struts, Hibernate, jQuery, JUnit, Oracle and WebSphere Application Server; improved accessibilities by following WCAG 2.0 Compliance Level AA and AODA compliance.

**InfoTrellis Nov 2013 - May 2014**

**Senior Consultant Toronto, ON**

* For the client Express Scripts, used IBM InfoSphere MDM, WebSphere, JMS and Oracle to create Java MDM applications.

**Contractor (Ontario Ministry of Education) Jun 2013 - Nov 2013**

**Senior Consultant Toronto, ON**

* Built a new open-to-public license management web application with Struts, Servlet, Spring, MyBatis, EJB, WebSphere Application Server, jQuery, HTML5 and CSS3.
* Used HiSoftware Compliance Sheriff Tool, PDF-Accessibility-Checker, AChecker and Colour Contrast Check Tool to follow WCAG 2.0 Level AA & AAA standards to improve website’s accessibilities and AODA compliance.

**Capgemini Feb 2010 - May 2013**

**Senior System Analyst Toronto, ON**

* For the client Hydro One, used Java Message Service (JMS) on Oracle WebLogic Server to receive asynchronous requests and send asynchronous responses in XML messages between Hydro One and downstream energy retailers.

**Rogers Communications Oct 2007 - Jan 2010**

**Senior Developer Toronto, ON**

* Built fact and dimension tables in star or snowflake schema, designed SCD type 2 data mart and data warehouse, created ETL pipelines with Informatica PowerCenter and SSIS/DTS, used Cognos to create PowerPlay cubes and publish drill-through reports.

**Royal Bank of Canada Jul 2006 - Sep 2007**

**Technical Systems Analyst Toronto, ON**

* Built the internal scorecard report application for Regional VPs to monitor and compare branches’ performance. Every month huge amount of data was transformed from IBM mainframe with JCL jobs, loaded with other legacy application data to MS SQL Server with SSIS, then created dashboards, KPIs and drill up or drill down reports with SSRS.

**VeriSign Dec 2004 - Jun 2006**

**Software Developer Toronto, ON**

**6S Technology Solutions Inc Dec 2003 - Dec 2004**

**Software Developer Toronto, ON**

**Your Match Inc Nov 2001 - Dec 2003**

**Team Lead Toronto, ON**

**Chinadotcom Corporation Jun 1998 - Oct 2001**

**Senior Software Developer Beijing, China**

**Australian News Corporation July 1993 - May 1998**

**Senior Software Developer Beijing, China**

# Education

Bachelor degree in Engineering at Beijing Institute of Technology, Sep 1989 - Jul 1993.

# Certificate

* GCP / AWS / Azure / IBM Cloud Developer
* IBM Big Data Engineer, DataStage and QualityStage Developer
* Informatica MDM and PowerCenter Developer
* Microsoft Certified Solution Developer and SQL Server Developer