YANN DRUFFIN

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PROFILE

- 20 years of experience in software development (fullstack with a focus on backend services)
- 5 years of experience deploying applications on cloud technologies and using containers
- 3 years of recent professional experience working in Go with APIs and data pipelines
- 2.5 years of team leadership drawing on 15 years of experience using Agile methodologies (Scrum)
- Collaborative team player focused on ensuring quality through accurate documentation, code review, testing, continuous integration, and monitoring
- Polyglot and passionate about new technologies; open to learning new languages and trying a variety of approaches

TECHNICAL SKILLS

Go	Standard Library, Gorilla toolkit, Gin Framework, Viper, REST API
C#	.NET Framework, .NET Core (Web API, Blazor, WCF, ASP.NET MVC)
Javascript	React, Angular, Typescript
Web	HTML, CSS, LESS, Bootstrap
Objective C	iOS apps
Cloud	AWS, S3, SQS, Azure
Containers	Docker, Kubernetes
Database	PostgreSQL, Microsoft SQL Server, MySQL, SQLite
NoSql	MongoDB, OpenSearch, DynamoDB
ORM	Entity Framework, NHibernate
IDE	JetBrains (GoLand, Rider, IntelliJ) Visual Studio, Visual Studio Code
OS	Linux (Fedora, Debian, Mint), Windows 10/11, Mac OS
Virtualization Tools	Vagrant, Packer, Terraform
Version control CI/CD	Azure devops, Github, Bitbucket, Gitlab
Collaborative Tools	Slack, Jira, Confluence

EXPERIENCE

December 2021 – December 2022 **Senior Software Developer (fullstack, emphasis on backend)**

Jetstream Hospitality Solutions, Vancouver, BC (Full Remote)

- Developed new solutions for hospitality business and maintained the legacy system as a member of a six-person technical team (C#, Go, ASP.NET web forms, Blazor, MS SQL Server, AWS, S3, JWT authentication)
- Proposed tools such as Docker to improve initial development set-up and facilitate cloud deployment; trained team members with no experience using Docker
- Developed the new company booking portal, Leavetown.com (C#, Blazor, AWS, S3, OpenSearch, Docker, REST API/OData)
- Designed and developed a data transfer unit to synchronize data between a MS SQL Server and an OpenSearch DB (C#, Go, OpenSearch, AWS Lambda)

November 2018 – November 2021 **Senior Software Developer (backend)**

Septeo Proptech (Kinaxia), Sophia Antipolis, France (In-person, then Full Remote)
- Developed new solutions and improved existing applications for a prop-tech platform as a member of a six-person backend team (Go, Python, Java, PostgreSQL, MySQL, MongoDB, Docker, Microservices, AWS, S3, OAuth 2.0, OpenID Connect)
- Designed and developed a data scraper triggered by a REST API as part of a data pipeline (Go, Python, DynamoDB, Docker, AWS SQS, Lambda, S3, Prometheus, Grafana)
- Developed a REST API that transforms geographical data from GeoJSON into Protobuf format to optimize data payload (Go, Gin Framework, Docker)
- Developed and maintained an internal solution to scrape geographical data from various sources to feed a MongoDB (Python, MongoDB, Docker)

June 2018 – September 2018 **Software Engineer, Contractor**

Electronic Arts, Burnaby, BC
- Set up a development environment with continuous integration and continuous deployment using GitLab (Windows 10, Visual Studio, Artifactory, Vagrant, Linux CentOS)
- Designed a solution to deploy and manage Perforce servers on the cloud to consolidate source code management at Electronic Arts
- Delivered a proof of concept in Microsoft Azure for provisioning Perforce servers on AWS regions (C# .NET Core, Web API, Packer, Terraform, Docker, Artifactory, Kubernetes, React Redux)

May 2015 – January 2018 **Team Lead Senior Application Architect**

Western Union Business Solutions, Vancouver, BC
- Led a technical team of five: two quality analysts, two developers and one business analyst
- Increased team productivity and engagement by streamlining Agile reporting process
- Co-coordinated multi-team initiatives to deliver solutions for complex, time-sensitive projects
- Developed, deployed and maintained WUBS customer-facing applications and financial trading platform (C#, MS SQL, T-SQL)
- Improved continuous integration processes (CruiseControl.NET)
- Created a cross-team technical book club to encourage continuous learning

Project Highlights

Bank Account Verification

Provided a technical solution to reduce fraud by using micro-depositing to verify bank accounts (backend service, C# .NET, MS SQL)

IRIS QA tool

Worked with QAs to identify cross-system efficiency challenges in compliance testing. Researched technical options and developed a web tool to facilitate testing (C#, Web API, Angular, Typescript)

OANDA

Successfully integrated a new partner (OANDA) into Single Payment Platform (C# .NET, MVC, Bootstrap)

Fenics Option Feed

Developed a new backend service to process and feed client forward options to another system (C# .NET)

XE Mobile Web Application

Converted a legacy ASP.NET Web Forms website to ASP.NET MVC 5 with responsive design for XE.com (C# ASP.NET MVC, Javascript, LESS)

June 2011 – May 2015 **Senior Software Developer**

Western Union Business Solutions, Vancouver, BC

- Software developer in a team of seven people: one Team Lead, three Developers, two Quality Analysts and one Business Analyst

Project Highlights

Wu.com Integration

Integrated an automatic login for Wu.com customers to access the WUBS web application, allowing clients to trade more money per transaction (C# .NET, backend services, SAML, MS SQL, T-SQL)

Alert FX

Researched, designed and implemented a prototype iPhone/iPad application for currency conversion with alert functionalities (Objective C, ASP.NET, Web API, NHibernate)

Simple Sign up

Simplified sign up to increase customer enrollment on the web platform (C#, MS SQL, Javascript)

March 2005 – January 2010 **Solutions Architect**

Premiere Global Services, Paris, France

- Built a modular platform in response to customers' needs (C# ASP.NET, MS SQL Server, NHibernate)
- Developed a website to allow users full control on message-broadcast campaigns (C#, MS SQL Server)

October 2001 – July 2004 **Application Developer**

Institute of Molecular and Cellular Pharmacology, Sophia Antipolis, France

- Created an intranet application to manage the institute's internal ordering process (JSP, PostgreSQL)
- Programmed an application for generating robotic commands to organize samples (C++, PostgreSQL)

June 2000 – March 2001 **Junior Application Developer**

Dream Up, Sophia Antipolis, France

- Designed an application for the French administration to display electoral results (PHP, Oracle)

EDUCATION

2002 **Bachelor of Science, Information Technology**

Institut Universitaire Technologique, Nice, France

2001 **Diploma, Information Technology**

Lycée Estienne d'Orves, Nice, France

PERSONAL PROJECTS AND TRAINING

- OAuth 2.0 and OpenID Connect on personal REST API
- Vue.js website using Rust WebAssembly and a Go API; used the standard library with Gorilla toolkit for router and WebSocket
- Raspberry Pi IoT projects - Built a small self-driving rover using Go, including sending and receiving data from different sensors
- Docker - Pluralsight courses; used with Web API and services with gRPC
- Game development with Ebitengine (Go) and Godot