

Contact

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(LinkedIn)

Top Skills

TDD
SOLID Design Principles
Design Patterns

Languages

Italian (Full Professional)
English (Native or Bilingual)
German (Elementary)
Spanish (Native or Bilingual)
French (Elementary)

Certifications

Certified Scrum Developer (CSD)
Certified Generalist Software Engineer (top 10%)
Certificate in Advanced English (C1)
70-483: Programming in C#
SC-900: Microsoft Security, Compliance and Identity Fundamentals

Bruno Chaina

Software Engineer
London, England, United Kingdom

Summary

Seasoned software engineer with 13+ years of hands-on experience across five countries and a wide breadth of sectors.

I have experience engaging and influencing business and technology stakeholders at all levels, successfully implementing adaptable software that behaves predictably, fails gracefully, connects and scales.

I self-motivate with a variety of productivity habits and work in a structured, timeboxed way, in order to achieve optimal focus.

As an energetic individual and excellent communicator, I enjoy the responsibility of team coaching and leadership.

I believe the best way to earn trust is through transparency and delivery of clean, self-tested code within quality, scope and time constraints.

I have a preference for contract positions in dynamic companies where I can offer expertise, make use of my skills and design solutions with cutting-edge technology.

I wish to be part of a team I can inspire to cooperate, succeed and grow, making a positive impact on the business while working towards the company's vision and goals.

Experience

Astron Health
Technology Lead
June 2024 - Present (1 year 1 month)
London Area, United Kingdom

Onyx Capital Group

Technical Lead

September 2020 - May 2024 (3 years 9 months)

London Area, United Kingdom

» Implemented Flux from scratch: A cloud-native trading & brokerage platform for oil derivatives

with real time price updates, trade requests/execution/blotter, alerts and news notifications

» Designed and implemented 100% of the latency-sensitive backend consisting of five microservices

running in a K8s cluster and communicating via gRPC and a Service Bus

» Integrated different technologies to achieve the high throughput and low latency industry requirements

» ASP.NET Core 8 & CQRS architectures following DDD practices

» Used TimeScale DB to store and query efficiently millions of quotes, fine-tuning performance with

indexes and stored procedures

» Established client/server communication with Azure SignalR and MessagePack serialization

» Containerized the app via docker-compose, Azure ACR as repository and Kubernetes (AKS) as

orchestrator, with all the infrastructure challenges associated

» Configured the deployment pipeline (CI and CD) in Azure DevOps for multiple environments,

following GitFlow & GitOps workflows

» Optimized the use of Azure resources for cost efficiency

» Devoted 20% of my time to front-end development, maintaining and extending the React app

Tech stack:

React 18

Redux

ChartIQ/TradingView

ag-grid

Webpack

Typescript

.NET 8

ASP.NET Core 8

REST

gRPC
Quartz.NET
CQRS
MediatR
FluentValidation
Polly
Autofac
SQL Server
TimeScale DB
Docker
Kubernetes
Okta/Azure B2C
Azure: AKS, SignalR,
ServiceBus, ACR,
AppService, Redis,
KeyVault
TDD
Dapper/DapperPlus
Entity Framework Core
Azure DevOps
Scrum with Jira
XUnit
NSubstitute
AutoFixture
FluentAssertions
Cypress E2E tests

Hogar del Pueblo

Software Engineer

June 2020 - December 2020 (7 months)

» Non-profit programming for an NGO. Implemented the whole project from scratch

» Billing and cost management of AWS cloud resources (ongoing donation)

Tech stack:

React
react-material-ui
JSS
Redux
Typescript

Jest/Enzyme
Webpack
Apollo GraphQL
.NET Core 3.1
CQRS
MediatR
FluentValidation
AutoFixture
Scrutor
Polly
PostgreSQL
Docker
AWS: RDS, ECS
TDD
GitHub

Becrypt
Software Engineer
November 2019 - May 2020 (7 months)
London Area, United Kingdom

- » Decomposed a .NET 4.6 monolith into .NET Core microservices, identifying Domain Driven Design bounded contexts & implementing a CQRS architecture
- » Introduced new practices to the team: Testing frameworks and TDD methodology, Agile practices like poker planning and backlog grooming
- » React.js proposal & POC

Tech stack:
React
ASP.NET WebApi
.NET Core 3.1
Scrutor
XUnit
NSubstitute
SQL Server
Docker
TDD
CQRS
Polly

Perforce

Jenkins

Jira

Dreamlines GmbH

Software Engineer

May 2017 - October 2019 (2 years 6 months)

Hamburg, Germany

» Worked in 4 different greenfield and brownfield projects, running containerized microservices in

teams of 4-8 highly skilled full-stack developers in a flat hierarchy

» Set up a continuous delivery pipeline with ~5 deployments to production per sprint

» Successfully implemented a chat-bot for Microsoft Teams which was able to query for data, send

proactive notifications and answer with actionable cards

» Reduced the app's most used query loading time by more than 80% using Amazon CloudSearch

instead of SQL Server

» Eradicated flaky end-to-end tests in many test suites

Tech stack:

HTML/CSS

Angular 6

Bootstrap

PrimeNg

Typescript

Lodash

SASS

ASP.NET Web Api

.NET Core 2

Entity Framework

Dapper

Memcached

RestSharp

Mailgun/Sendgrid

SignalR

Selenium

SpecFlow

XUnit

Fluent Validations
SQL Server
PostgreSQL
Kibana
Elastic Search
Docker
Kubernetes
AWS: Redshift,
CloudSearch, S3,
Lambda, EKS, ECS
Kafka/NATS
HangFire jobs
Jenkins
Octopus
Git
Bitbucket
Jira

Velocity Partners

2 years 10 months

Team Lead

January 2016 - April 2017 (1 year 4 months)

Toronto, Ontario, Canada

» Successfully led team of 4 developers and coordinated deliveries sprint after sprint

» Participated in the design, testing and deployment of the Angular/RESTful .NET app, using Event

Sourcing in a CQRS low latency-sensitive architecture

» Built the team from the ground up interviewing all candidates, enforced agile practices like code

reviews, pair programming and TDD

Tech stack:

HTML

CSS/SASS

Angular 2

Angular Google Maps

Typescript

Bootstrap

lodash

toastr
modernizr
jasmine
mocha
sinon
chai
protractor
proxyquire
node.js
ASP.NET MVC/Web Api
.NET 4.6
Entity Framework
Unity
AutoMapper
SQL Server
Restsharp
XUnit
Rhino Mocks
NSubstitute
FluentAssertions
Azure
RabbitMQ
CruiseControl
grunt/gulp
Jira/Bitbucket
Mercurial/Git
Pair programming

Sr Developer

July 2014 - December 2015 (1 year 6 months)

Portland, Oregon Metropolitan Area

- » API integration with multiple wearables like iHealth, Garmin, Jawbone or Google Fit persisting users' fitness activity
- » Containerized application with Docker
- » Replaced time-consuming manual processes with automated tasks using grunt.js
- » Decoupled applications using RabbitMQ asynchronous messaging-based architecture

- » Trained and mentored Ssr. developers in programming methodologies and best practices, like
TDD and mobile-first development
- » Achieved 90% test coverage and configured new code static analysis tools

Tech stack:

HTML/LESS

react.js

dust.js

toastr

qtip

modernizr

grunt

jasmine

mocha

sinon

should

node.js

ASP.NET 4.5

Polly

Docker

SQL Server 2012

CruiseControl

GitHub

Jira

Globant

1 year 5 months

Team Lead

July 2013 - July 2014 (1 year 1 month)

Rosario, Santa Fe, Argentina

- » Provided leadership and mentoring to team of devs and QAs (8 people)
- » Estimated, architected and developed multi-tier application, from user-interface to persistence
- » Contributed software engineering expertise through the software lifecycle, from requirements
definition through successful deployment
- » Coded new solution that helped Deloitte employees enter their expenses easily with a faster,
more intuitive user interface

- » Migrated back-end code to client-side code using durandal.js (SPA), avoiding round-trip operations and making things way faster
- » Managed technical issues like thread-safe and performance-sensitive operations
- » Created event-centered application for intranet users supporting media files, map positioning and upcoming events notifications
- » Gave insightful knowledge on Microsoft Application Blocks & design patterns
- » Performed detailed analysis of business requirements and estimated user stories accordingly

Tech stack:

HTML/CSS

Bootstrap

raphael.js

Hot Towel SPA

durandal.js

knockout.js

moment.js

sammy.js

Ajax

ASP.NET MVC 4

ASP.NET WebApi

.NET 4.5

Unity

Enterprise Application

Blocks

Mail Notifications

Entity Framework

MongoDB

AutoMapper

MSTest

Moq

FluentAssertions

IIS 8

Git

Jira

Sr Developer

March 2013 - July 2013 (5 months)

Rosario, Santa Fe, Argentina

- » Extended Nashville-based team and provided technical aid
- » Facilitated customization of Vovici survey platform for Deloitte business partners

Tech stack:

Vovici survey engine

ASP.NET 4 WebForms

Entity Framework

Pex & Moles testing

SQL Server 2008

IIS 7.5

REST Service

Buildforge

TFS

Visual Studio 2010

Urban Turtle

NEORIS

Ssr Developer

September 2011 - March 2013 (1 year 7 months)

Rosario, Santa Fe, Argentina

- » Worked on a large-scale, cross-country, 5-layer software solution for agribusiness enterprise

- » Focused on productivity and efficiency, by finding ways to achieve better results within less time, distractions and effort, using the Pomodoro Technique and sharing it with the rest of the team

- » Awarded "Top Talent" for my performance in my first year as a junior developer

Tech stack:

WPF

ASP.NET MVC 2

ReportViewer

Infragistics

NetAdvantage suite

.NET 4.0
Entity Framework
WCF
Quartz.NET
TFS

SME Inventory control

Jr Developer

January 2011 - August 2011 (8 months)

Rosario, Santa Fe, Argentina

- » Inventory control and sales order processing for SME
- » Minimum stock level recognition reorders when stock warning level is reached

Tech stack:

WinForms

.NET 3.5

SQL Server 2008

Education

Universidad Tecnológica Nacional

Systems Engineering · (2008 - 2014)