Felipe Buccioni

About

Enthusiast, self-taught, with a self-improving behavior and more than 20 years of experience have made me a professional who performed in different areas and markets with projects related to software development, information and communication technologies, solving the challenges with innovation, creativity and flexibility.

Links

- **GitHub profile** — Contributions and some custom mods to open source projects, plugins/libraries by me, experiments and more.

- **StackOverflow profile** — Answers and questions by me about development and programming in different languages and areas.

- **LinkedIn profile** — Networking and skills endorsement.

Experience

Freelance — Since 2024-04

- Library load a MDF, high resolution tile format based in MS-CFB container format, using binary I/O to work with files inside the container and caching with blobs **(ES/JavsScript, MS-CFB, JSDoc)**
- Plugin for OpenSeadragon to load MDF tiles as tile source
- Plugin for OpenSeadragon to draw a rule to measure, able to use custom measure units, presserving scales and positions when zoom or pan. **(ES/JavaScript, OpenSeadragon, npm, DOM, fabric.js, JSDoc)**
- Plugin for OpenSeadragon to pan when mouse are in the edges of the viewer **(ES/JavaScript, OpenSeadragon, npm, DOM, JSDoc)**
- Plugin for OpenSeadragon to draw shapes as annotations, associate text to the annotations and calculate areas, perimeters and length with custom measure units, presserving scales and positions when zoom or pan. **(ES/JavaScript, OpenSeadragon, npm, DOM, fabric.js, JSDoc)**

Dily / TransaTuAuto — Since 2022-10 to 2024-03

- Software and infrastructure design advisory
- Backend developer in node.js and TypeScript **(Design patterns (Hexagonal, Repository, Aggregate, Anti corruption layers), InversifyJS, express, knex, advanced TypeScript typing)**
- Integration development **(Webhook, Queue, Lambda, ETL)**
- Design of plugin system with abstract classes and interfaces to different providers on different parts of the software **(Design patterns, Anti corruptuin layers)**
- Payout platform with isolated infrastructure **(TypeScript, AWS, AWS CDK, AWS lambda, AWS SQS, AWS Secrets manager)**
- Improvement of custom framework based on different design patterns **(Design patterns)**
- DevOps **(AWS, BitBucket, bash, Linux)**
- SQL Complex reporting queries and query optimization **(SQL, Query optimization)**
- Mantainance of legacy software **(php, Yii2)**
- Interoperability of legacy and new software via anti corruption layer **(Design patterns, Anti corruption layers)**
- RPA optimization and improvement **(python)**
- Development of node.js library to connect to Shinkansen finnance provider porting their python package **(ES2023, npm)**

Freelance (as Aequum) — Since 2020-03 to 2022-10

- Development of a library API to sign PDF files using a commandline tool as backend **(php, php 7, API, phpdoc)**

Personal

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- 🌎 Chile, South America, Earth, Milky Way

Skills

Skill	Rating
English level	A2 / B1
Development planning	★★★★☆
Problem solving	★★★★☆
Team management	★★★☆☆
Infrastructure design	★★★★☆
Database design	★★★☆☆
Software design	★★★★☆
Software architecture	★★★☆☆
Design patterns	★★★★☆
Query optimization	★★★★☆
Integration	★★★★☆
Plugin/Library dev	★★★★★
Backend development	★★★★★
REST API development	★★★★☆
TypeScript	★★★★☆
JavaScript (ES)	★★★★★
Python	★★★★★
Bash	★★★★★
Express	★★★☆☆
Inversify	★★★☆☆
Angular	★★☆☆☆
Django REST	★★★★★
FastAPI	★★★★☆
CSS	★★★★☆
AWS	★★★☆☆
AWS Lambda	★★★★☆
AWS Cloudformation	★★★☆☆
ffmpeg	★★★☆☆
Docker	★★★★☆
Linux	★★★★★
Pulumi	★★★☆☆
Networking	★★★☆☆
GIS	★★★★★
Media streaming	★★★★☆
RPA	★★★★☆
Documental databases	★★★★☆
Relational databases	★★★★☆
GeoDjango	★★★★☆
leaflet	★★★★★
OpenSeadragon	★★★★★
Mapserver	★★★★☆

- Lead and backend developer + DevOps for refactor of somoscircular.com processes (python, Django, Django REST, Django JET, GeoDjango, Google Geocode, Mailchimp)
- Co-Project Leader/Backend developer of app/platform for COVID-19 traceability for the Aysén Region in 1 month, also act like problem solver with the deployment on iOS with ionic (python, Django, Django REST, Django JET, JWT Auth, GeoDJango)
- Co-Project Leader/Backend developer of long form for bank application in 3 weeks (python, Django, Django REST, Django JET)
- RPA Robot who enters bank data to ERP software (python, OpenCV, TKInter, multiprocessing, sharedmem, IPC, Image processing, pyautogui)

Kudzu logistics (As Freelance)   Since 2020-03 to 2022-08

- Backend of an application web and mobile to show details as costs, trips and behavior by car insurance company. (python, FastAPI, Azure functions, Azure CosmosDB, Azure CosmosDB API for MongoDB, MongoDB)
- Intermediate app to manage the logistics of assurance car GPS, integrating Octo Telematics, courier clients and logistics company (python, Django, Django REST, Django JET, multiprocessing, webhook arq, queue arq, API integration)
- Python package to connect with DHL XML Services (python, API integration)
- Python package to connect with FedEx/TNT Chile API (python, API integration)
- Integration with FedEx/TNT Chile (python, String phonetics/coincidences pattern, AWS S3, PDF reading)
- Integration of shipping with Shopify (python, Web2Py, Shopify API, API Integration)
- Integration of shipping with Jumpseller (python, Web2Py, Jumpseller API, API Integration)
- Integration of shipping with Woocoommerce (python, Web2Py, php, WordPress, Woocommerce, Wordpress plugins, WP REST)
- Integration of SAP products and stock update with Woocommerce (php, WordPress, Woocommerce, Wordpress plugins, WP REST)
- Integration of bsale with Shopify (python, flask, sharedmem, Shopify API, bsale API)

Freelance   Since 2015-05 to 2018-03

- GIS for planning, view resources and show research studies of the Nonguen national reserve and towns nearby showing different cartography formats from a cloud file repository or a database, the possibility of administrate the options to show labels, styles (Developing a SLD plugin) for Leaflet, other data using GDAL library and elevation cloud or image data using UMN MapServer. (django, python, GDAL, JavaScript, Leaflet, PostgreSQL, PostGIS, MapServer)
- Design of project to upgrade of a critical government legacy web application considering autoscale of the web applications and database cluster, deployable dev, prod and qa enviroments, distributed virtualization, VCS and code tickets management (Huawei FusionSphere, ha-proxy, nginx, MongoDB, tomcat, git, GitLab, bash, java)
- GIS to show the progress of the rebuild of the town of Chañaral (MapServer, MapCache, nginx, leaflet, GDAL Image processing with TMS strategy, advanced image compression)
- Mobile app to field survey, using Android tablets aproaching GPS tracking and positioning (Cordoba, NodeJS, Django, Django REST, bootstrap 4)
- Web Mapping with visualization, draw, kml read/write developing a leaflet plugin. (php, leaflet)
- Build of a SMTP gateway developing a perl nginx module to deliver SMTP mail to the clients of a small VPS company (perl, nginx)

Retargeting   Since 2017-11 to 2020-02

- Infrastructure migration to AWS using infrastructure as a code (IaaC) using autoscale, RDS, Route53 and compute services (ES6, pulumi, aws, puppet)
- Perimetral authentication and authorization system (python, Django, MongoDB, django-mongoengine, Django REST)
- Middleware manager to manage permissions for internal services, some process need buffered stream output. (Django, REST API, HTTP, Proxy, Streaming, AWS S3, AWS Athena)
- Orchestration (puppet)
- Pipelines (GitLab CI)
- Product management application for retail store. (python/Django, REST API, KnockoutJS, bootstrap 4, datatables)

- Extension of the previously mentioned app for export products to Salesforce and WebSphere commerce platforms. (python, Django, XML, PyFilesystem, multiprocessing)
- Product Catalog (php, Laravel 4)
- Basic scala programming (Scala)

And 9 more previous jobs, for more information please ask directly.