Felipe Buccioni

About

Self-driven, self-made with more than 20 years of experience interested and motivated by continuous improvement, passionate about innovation. My professional life is spent in a variety of industries and markets, where I have led several projects in software development and information technologies. The value that I will be able to bring to your work is finding creative, fresh and flexible solutions to complicated challenges.

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

Because of my long career, this is my highlighted experience, for more information please ask me directly.

Modulonet — 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 **(ES/JavaScript, OpenSeadragon, npm, JSDoc)**
- Plugin for OpenSeadragon to draw a rule to measure, able to use custom measure units, preserving 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

- Build up development processes and do a recover plan from a refactor with a bunch of bad practices that left the software in a bad state, with a lot of bugs and performance issues in the software, infrastructure and development **(Problem solving, Software Architecture, Software design, Infrastructure design, php, Yii2)**
- Architecture, software and infrastructure design **(Architecture, Software design, Infrastructure design, Design patterns)**
- Mantainance and improvements of legacy software **(php, Yii2)**
- 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)**
- 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)**
- 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 (ES/JavaScript, TypeScript, JSDoc, npm)

Kudzu logistics   Since 2020-03 to 2022-08

- Planning and developer of REST service for a car insurance company to quotate, request and show details as costs, trips, behavior and stats from cars insured by company. (python, FastAPI, Azure functions, Azure CosmosDB, Azure CosmosDB API for MongoDB, MongoDB, serverless arch)
- Planning and development of intermediate app to manage the logistics of GPS devices between the insurance company, telematics company (Octo Telematics), logistics company and couriers. (Design patterns, python, Django, Django REST, Django JET, multiprocessing, webhook arch, queue arch, API integration, OCTO web services)
- Development of Python packages to connect with DHL XML Services and FedEx/TNT Chile API (python, API integration, XML, REST, RPA, selenium)
- Integration with FedEx/TNT Chile (python, String phonetics/coincidences pattern, AWS S3, PDF manipulation)
- Integration of shipping with Jumpseller, Woocommerce and Shopify (python, Web2Py, Jumpseller API, API Integration, Woocommerce, Wordpress plugins, WP REST, Shopify API)
- 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)

Modulonet   Since 2022-04 to 2022-06

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

Somoscircular   Since 2021-04 to 2021-05

- Lead and backend developer on refactor the client and management processes of somoscircular.com (python, Django, Django REST, Django JET, GeoDjango, Google Geocode, Mailchimp, Twillio)

ETYCC S.A   Since 2020-12 to 2021-01

- 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)

ETYCC S.A   Since 2020-09 to 2020-09

- Co-Project Leader/Backend developer of long form for bank application in 3 weeks (python, Django, Django REST, Django JET)

Think2Process   Since 2020-06 to 2020-09

- Multiplatform (Windows and linux) RPA Robot who enters bank data to ERP softwar (python, OpenCV, TKInter, multiprocessing, sharedmem, IPC, Image processing, pyautogui, multiplatform Python, Design patterns)

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)

VRIM Universidad de Concepción / Asociacion de municipalidades para la preservacion de la biodiversidad del territorio Nonguén y otros ecosistemas

Since 2017-01 to 2017-06

- Planner, architect and developer of a GIS platform for territory planning also being oriented to show to the community, the Nonguén national reserve alongside nearby ecosystems and all the collected data from university researches, hydric resources, flora and fauna and more. (Infrastructure design, Software design)
- Cloud storage service to upload document and cartography data to be displayed in the GIS (ownCloud)
- Cartography service using GeoJSON with an administration interface to manage the cartography to be shown in the GIS frontend, configuring properties as styles, labels from feature data and the data source which could be PostGIS, A file system with a different cartography formats (SHP, DXF, MapInfo, ect.), TMS service or XYZ tile. (Django, GeoDjango, Django REST, PostgreSQL, PostGIS, GDAL)
- MapServer with MapCache to use as TMS server to show elevation data and other large image sources provided form the university research with queryable data inside. (UMN MapServer, UMN MapCache, Image processing)
- XYZ tile files from a large aereal geopositioned image, postprocessing the tile images with techniques of overcompression png images, served with nginx (XYZ tile, gdal2tiles, Advanced image compressing, nginx)
- GIS frontend to show data from the GIS service, showing custom labels, legend and query data from the Cartography service, TMS and XYZ tile services. (leaflet, ES/JavaScript, CSS, HTML, jQuery, proj4js)
- Improvement of Leaflet.SLD plugin features to access SLD styles exported from QGIS (leaflet, ES/JavaScript)
- Mobile app to field survey, using Android tablets aproaching GPS tracking and positioning (Cordoba, node.js, Django, Django REST, bootstrap 4)

IPLink hosting

Since 2014-09 to 2014-09

- Build of a SMTP gateway developing a perl nginx module to deliver SMTP mail to the clients of a small VPS company (perl, nginx)