



## Elias Bautista

Software  
engineer

### How can you contact me?

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**GitHub:**

(Elias Bautista) (github.com)

**Website:**

[www.eliasbautista.com](http://www.eliasbautista.com)

**Certifications:**

[Drive Folder \(link\)](#)

### Languages

English - TOEFL iBT (110 puntos)

### Recent Projects

**CryptoWallet**

App developed for Android, in which you can manage transactions made with cryptocurrencies.

[Demo & documentation.](#)

**Reports and Analysis with Python**

Development of algorithms and dashboards to analyze sales data, inventories, production, logistics, etc.

[Demo & documentation.](#)

**Portfolio Management**

Project management with agile methodologies, project portfolio management, PMO & Change Management functions

[See more](#)

### Personal profile

My studies have provided me with a broad domain in mobile app development, web development, automation, project management, and data science. At the same time, I developed a large number of personal projects to demonstrate my skills in these subjects. I am confident that I can make an instant impact in any software engineering role.

### Educational training

**Universidad Autónoma de Querétaro**

Software engineer

- Specialization courses in Python, NodeJs and After Effects.
- High academic performance.
- Member of the software development center

### Courses and Certifications

EMTECH: Emerging Technologies Institute

- [Data analysis with Python \(Link\)](#)
- [Data visualization with Google Data Studio \(Link\)](#)
- [Project Management \(Link\)](#)
- [Portfolio Management & PMO \(Link\)](#)

BEDU

- Certificate ([Link](#))
- Android development.
- UI/UX fundamentals
- Advanced Kotlin
- Android Advanced
- [Top rated project \(Link\)](#)

### Professional resume

#### Software developer

UAQ Educational Technology Research Center

- Design and production of courses and diplomas in virtual mode.
- Automation of processes for the generation of web pages on the Moodle platform.
- Course design on the Moodle platform.

#### FullStack Developer

Infosys

- Backend development and testing using Spring and Java.
- Development and testing of the Frontend using Angular and Typescript.
- Development of business applications following good practices of the Java language and generation of documentation

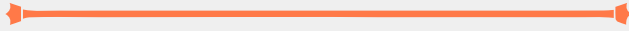
#### Data Engineer

Encontrack

- Training ML models with Amazon SageMaker, Python and Tensorflow.
- Database optimization (MongoDB, Amazon RDS, MYSQL, PostgreSQL, Intersystems Cache)
- Development and implementation of ETL components with technologies such as Python, NodeJS, Golang, Java, SocketIO, Redis, Kafka.



## Work experience



### UAQ Educational Technology Research Center (Jun 2021 - Dec 2021)

#### Software Developer

##### Main achievements

- Training teachers and students in the use of technology tools to attend to school work in virtual mode during the health crisis caused by COVID-19.
- Generation of a virtual platform to visualize courses and register evaluations of postgraduate subjects.
- Publication of a new modern design using CSS preprocessors and following the usability heuristics proposed by Jakob Nielsen.
- Improvement of 20% of the acceptance index and 15% of the intuition qualification in the virtual platforms of the CITE, from the qualification of the users.
- Automation in the process of validation and publication of a course on the virtual platform using RPA's.

### Infosys (Ene 2022 - Jul 2022)

#### FullStack Developer

##### Main achievements

- Accreditation as FullStack developer by the company.
- Optimization of data flow and CMDB configuration to ensure better integration with ServiceNow.
- Implementation of automation scripts for ETL processes of projects related to ServiceNow.
- Attention and monitoring of tickets related to platform requirements or resolution of bugs in projects on the ServiceNow platform.
- Attention and follow-up to tickets related to the request or resolution of web applications on the Backend side using technologies such as Java and Spring.

### Encontrack (Jul 2022 - Current)

#### Data Engineer

##### Main achievements

- Migration of On Premise databases to the cloud (AWS).
- Migration of data clusters in AWS to Mongo Atlas. Technologies used: MongoMirror, AWS CLI
- Implementation of load balancers in applications that operate with Redis and Kafka.
- Optimization of queries to Mysql, PostgreSQL, Intersystems Cache and Mongo DB databases.
- Development of ETL processes to feed KPIs into dashboards, data transformation for the consumption of machine learning models.
- Generation and automation of quality verification processes on the data to guarantee its accuracy, consistency and integrity. Technologies used: Python, Pandas, Great Expectations, Airflow.
- Detection of anomalies in the readings of vehicular geolocation devices in order to catalog possible fraud against insurers. Technologies used: Python, Scikit-learn, PYOD, Numpy, Pandas.
- Generation of Machine Learning models from anomaly detection to detect potential fraud and mitigate the number of potential vehicle theft false alarms. Technologies used: Python, Autogluon, SageMaker, AWS Lambda, AWS API Gateway.

