

Luis Bayer

★ Senior Full-Stack

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Motivated and Proficiency senior full-stack developer with over 10 years of expertise in full-stack web development, desktop applications, and mobile app development. The best thing in me is "Always putting myself in clients' shoes" and "High quality and the best service". As a Full-stack developer, I know how to turn your ideas into real-life applications to solve your customers' challenges. Good solving problem skills and love to challenge new skills.

KEY SKILLS

Python, Django – 6 yrs / Node.js – 8 yrs / SQL – 8yrs / React – 7 yrs / MongoDB – 6 years

WORK EXPERIENCE

Electron Engineer

Apr. 2022 – present

Rebel System

- Developed an Electron/React GUI for the display kiosk of an electrical appliance for the military.
- Built the React app from scratch with MUI (Material UI) components.
- Designed a custom accessibility implementation for controlling the app via four directional buttons.
- Integrated Protobuf and ZeroMQ pub/sub messaging/serialization on the back end.
- Utilized Zustand, a novel lightweight React state management library, providing the app with a flexible and modular foundation.

Technologies: React, Electron, TypeScript, JavaScript, ZeroMQ, Protobuf, Vite, PNPM, Material UI

Senior React Developer

Jan. 2020 – Oct. 2022

Zeedz GmbH

- Implemented the React front-end for a "play for purpose" NFT game called Zeedz.
- Built user flows, including user log-in and sign-up, purchase and unboxing experience, and inventory management for the player's digital collectibles stored on the Flow blockchain.
- Connected to the team's existing back end, including a custom GraphQL API, Amazon Cognito, integration with the Flow blockchain via the Flow Client Library, distributed file hosting with Pinata, and a few other services.
- Collaborated remotely over Google Hangouts, mainly with German and UK team members.

Technologies: JavaScript, React, CSS

DevOps Engineer and Back-end Developer

Jan. 2018 – Oct. 2019

Agnostiq Inc

- Implemented a distributed tracing system with AWS X-Ray for a microservice architecture.
- Integrated a billing service for a cloud computing SaaS.
- Delivered several features for a FastAPI-based service.

Technologies: Python, PostgreSQL, React, JavaScript, AWS Lambda, Amazon Simple Queue Service (SQS), Amazon RDS, Terraform, Infrastructure as Code (IaC), Amazon Web Services (AWS), Amazon DynamoDB, Pydantic, Back-end, Payment Gateways, Payment Processing, Data Analysis, Unit Testing, Back-end Development, Data Modeling, SQL Performance, ETL

Back-end Developer

Feb. 2014 – Jan. 2015

AI Sales Service Company

- Supported a back-end system that uses ChatGPT to perform sales outreach for client companies.
- Investigated and fixed bugs from logs on the Mezmo platform.
- Worked with the integration of phone and SMS services from the Telnyx provider.

Technologies: PostgreSQL, TypeScript, JavaScript, SQL, Redis, Supabase, ChatGPT, Mezmo, Telnyx

Senior Software Developer

Oct. 2013 – Nov. 2014

Secusmart GmbH

- Evaluted system and software requirements of the company's secure mobile communication solutions.
- Designed and developed back-end components for the company's secure mobile communication solutions.
- Tested and deployed several back-end components.

Technologies: Software Development, C, C++, Java, Python, Source Code Review, Cybersecurity, Architecture, Application Security

ADDITIONAL SKILLS

Language

Swift, HTML, CSS, Sass, SCSS, HTML5, Ruby, PHP, JavaScript, CoffeeScript, TypeScript, SQL, Python, C/C++, C#, Java, Solidity

Web Frameworks

Django, ASP.NET Core, .NET Core, Blazor, React.js, Next.js, Angular, Vue.js, Node.js, Electron, Solidjs, Redux, Ruby on Rails

Libraries/APIs

Node.js, React, REST APIs, TensorFlow, Stripe, Stripe API, Auth0 API, Twitch API, Rollup.js, DirectShow, Google Sheets API, Solid

Mobile SDK and Frameworks

Android, iOS, PhoneGap/Cordova/Ionic, React Native, Flutter

Storage

MySQL, Amazon Aurora, Databases, JSON, RDBMS, PL/SQL, Redis, Elasticsearch, MariaDB

Soft Skills

Problem Solving, Attention to Detail, Analytics, Time Management, Planning and Estimation, Multi-tasking, Teamwork, Collaboration, Communication,

Paradigms

Test-Driven Development, Design Patterns, Unit Testing, Data Science, Model-View-View Model (MVVM), Scrum, Microservices, RESTful Development

EDUCATION

Bachelor's Degree in Computer Science

2008 – 2012

Technical University of Munich – Munich, Germany

EXPERIENCE

Rebel Systems GUI (Electron React App for Military Applications)

Electron React GUI for the display kiosk of an electrical appliance for the military. I built this React app from scratch with Material UI components.

The features:

- Custom accessibility implementation via four directional buttons;
- Protobuf and ZeroMQ Pub/Sub back end;
- Zustand state management.

Zeedz (NFT Marketplace in React and GraphQL)

Implemented the React front end for a "play for purpose" NFT game called Zeedz. The game UI implementation includes user log-in and sign-up, purchase and unboxing experience, and inventory management for the player's digital collectibles stored on the Flow blockchain.

The front end connected to the team's existing back end, including a custom GraphQL API, AWS Cognito, integration with the Flow blockchain via the Flow Client Library, distributed file hosting with Pinata, and a few other services.

Data Transfer Control Center

A service for setting up data pipelines, including the filtering and aggregation rules.

The service was reimplemented to be event-driven and react to changes in various sources—AWS S3, GCP Cloud Storage, HDFS, and local file systems.

I was responsible for the following:

- Scalable data processing using queues.
- Easy no-code and low-code configuration for new data pipelines.
- Enhancing the monitoring system with self-recovery mechanisms.