

JUSTIN LEBLANC

Senior Software Developer	Lisbon, PT
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PROFESSIONAL SUMMARY

Software industry professional with 24 years of experience, having done development for numerous companies from startups to Fortune 500. Adept in process management, system architecture, and Agile methodologies. Holds a Computer Science degree and an MBA.

EXPERIENCE

Pangea Foundation - Senior Software Engineer

Lisbon, PT, September 2024 – October 2024

Pangea Foundation provides low-latency data for blockchains.

- Developed a native iOS application to demonstrate Pangea's blockchain data aggregation services and real-time streaming token price information.
- Wrote documentation, blog posts, and participated in outreach to the developer community.

Polygon Labs/Privado.id - Senior Software Engineer

Lisbon, PT, November 2023 — August 2024

Polygon Labs runs the Polygon blockchain and related Web3 initiatives. Privado is a spinoff of Polygon Labs.

- Implemented a native iOS SDK for Privado.id (previously PolygonID) in Swift. = Privado ID is an identity infrastructure that allows for storing digital identities on a device or on-chain.
- It uses zero-knowledge proofs to verify credentials.
- Created an implementation in Swift of the Sparse Merkle Tree.
- Developed an interface for a native Rust implementation of BabyJubJub, allowing it to be run on iOS and called from Swift.
- Helped streamline the process from ideation to shipping production code.

Object Computing, Inc. (OCI) - Senior Software Engineer

St. Louis, MO, March 2021 – April 2023

OCI is a software consultancy.

- Developed API endpoints in Node.js for a healthcare scheduling application
- Implemented Github Actions for automated quality/security checks and deployment to dev/test environments
- Built a Python web application for image processing in the rail industry, using FastAPI
- Assisted in transitioning the proof-of-concept application to a production environment
- Participated in a team evaluating data consolidation solutions for the food service industry
- Developed a Dataflow application to establish a baseline and best practices

World Wide Technology - Application Services - Senior Software Engineer

St. Louis, MO, July 2014 – March 2021

Application Services is the information technology consulting division of World Wide Technology.

- Led a team of five developers in refactoring the in-store kiosk iOS application for a nationwide chain of bakeries
- Increased successful kiosk transactions from <60% to 99.9%
- Transitioned portions of the codebase from Objective-C to Swift
- Architected a system for handling offline orders and processing payments at a later time
- Developed an iOS app for event agenda sharing, logistics, and check-ins
- Created a Java backend with Spring Boot for an employee feedback collection system
- Developed an iOS app for secure file sharing between remote servers and mobile devices
- Created a Master Data Management system for an agricultural company's customer base using Scala and Go
- Expanded the MDM system for importing Net Promoter Scores and other KPIs
- Provided Agile software development assessment and coaching for HMSA
- Created an indoor positioning system for an iPhone app using Bluetooth iBeacons
- Facilitated Agile retrospectives, to assist teams in continuous improvement by leading discussions, helping to understand the process of releasing working code, and identifying improvements.

Saint Louis University - Adjunct Faculty

St. Louis, MO, January 2020 – May 2020

- Taught CSCI 5030 - Principles of Software Development
- Introduced software development best practices for Computer Science graduate students

Envisioneering Medical Technologies - Software Developer

St. Louis, MO, March 2003 – June 2010

Envisioneering was a startup in the medical industry.

- Designed and coded software for an ultrasound medical device used in the screening, management, and treatment of prostate disease
- The software was written in C# and deployed on Windows Embedded OS
- Implemented a 3D model of the prostate in OpenGL using dimensions provided by the physician based on ultrasound images
- Solicited input from physicians, sales, and marketing for current software and future versions
- Managed relationships with third-party software vendors and strategic partners
- Assisted in corporate fundraising activities as a technical specialist for meetings with individual investors and private equity groups

General Motors - Business Analyst

Detroit, MI, June 2010 – December 2014

General Motors designs, builds and sells the world's best cars.

- Developed data storage and transmission standards for GM Enterprise Data Standards Committee
- Created financial estimates and guided stakeholders through GM IT project approval process
- Managed the migration of manufacturing requirements to a new knowledge management system
- Assisted in creating new software teams for GM IT insourcing effort
- Coordinated the redesign of OnStar.com and Chevrolet Volt owners site
- Managed a call center "SWAT team" to resolve numerous technical issues after a software upgrade

PROJECTS

Urbit

Urbit is an experimental social network, featuring a clean-slate network stack and privately owned addresses managed on the Ethereum blockchain.

- Assist with documentation and evangelization
- Develop modules for connecting to other networks and sending SMS
- Delivered a talk on the project at LambdaConf 2018
- Created Funes, an iOS note-taking application backed in Urbit's graph database

EDUCATION

- Washington University in St. Louis - MBA
 - Charles F. Knight Scholar, awarded to the top five graduate students in the Olin School of Business
 - Graduation speaker
 - Member Black Alumni Council
- University of Oklahoma - Computer Science

CERIFICATIONS

- Meta – Front-End Developer
 - Emphasis in React
- Stanford University - Product Design