

Career Highlights

29 Years of Experience	I've navigated a diverse technological landscape, transitioning from Delphi to Elixir, and from desktop to mobile platforms. This experience has allowed me to bridge various industries, from archeology to health insurance, while remaining deeply connected to the ever-evolving world of technology.
Stellantis Wiring Diagrams Platform.	Industry-leading vehicle diagnosis software, utilized by Mopar dealers and Chrysler factories across the US, Europe, and Latin America, with tens of thousands of daily active users.
DishKin	Co-Founder, Architect, and Developer of a former local restaurant promotion website in Metro Detroit with 3,000 customers
Agile / XP Consultant	I've provided mentorship to numerous developers on topics such as Test-Driven Development (TDD), Software Craftsmanship, Functional Programming, SOLID principles, and other valuable principles espoused by industry experts like Martin Fowler and Robert Martin (Uncle Bob).
Architect and Tech Lead	I possess innate leadership qualities and frequently serve as a point of reference for my team. My inaugural experience as a technical lead dates back to 2000 in Brazil. As a craftsman, I have consistently been a source of inspiration and a collaborative force for those striving to excel in their roles.
Prototype/Research Developer	I spearheaded the development of cutting-edge diagnostics, including the 3D Vehicle Digital Twin. This VIN-specific, 3D image generator delivers tailored visualizations of a vehicle system based on its model, trim, and selected options.

Experience

Slalom – Detroit, MI slalom.com	Architect	August 2021 - Current
Corewell Health Greenback Accumulator Sync	In an initiative to reduce prescription costs for members by providing access to alternative pharmacy locations with more competitive pricing, Corewell Health (formerly Priority Health) collaborated with Greenback Health. Slalom was tasked with creating a system that would seamlessly merge GBH's accumulator synchronization process with the existing prescription provider's Electronic Data Interchange (EDI) system, alongside CH's Health Care Management System, Trizetto Facets. As a Solution Architect, I took the lead in the discovery, design, and, importantly, thorough client communication. I employed detailed diagrams and visual aids to ensure a comprehensive understanding of the project's intricacies, all while managing backlog and engaging in part-time development.	
Technologies	Java 11, Apache Camel, Active MQ, Spring, JAXB, Oracle, Integration Tests with Docker.	
Corewell Health Priority Well Choice Benefits	PWCB encourages customers to make healthier choices, enabling them to earn points that can reduce their health insurance costs. In my role as a Senior Full Stack Engineer, I designed and developed AWS components to asynchronously collect data from various sources, facilitating the assessment of subscribers' program status.	
Technologies	Python Platform(AWS Python SDK, Pytoolz, Dependency and Packaging with Poetry), AWS Services (Lambda, Step Functions, Glue, S3, SNS, Cloudwatch, Dynamo DB, Including creation of those components using AWS Cloud Development Kit/CDK)	
Route One Fusion Virtual Retailer	Fusion is a car-buying web application, seamlessly integrated with the country's leading dealer management software: Route One's dealer manager. This application, when embedded on any dealer's website, empowers car buyers to choose financing options, apply for financing, obtain Kelly Blue Book trade-in evaluations, and schedule test drives. As a full-stack Sr. engineer, my responsibilities included collaborating with the user experience designers and the architect, mentor junior developers, developing full-fledged web components according to the design, customizing the legacy microservices systems to accommodate new requirements.	
Technologies	Angular, NgRX, TypeScript, Node JS, Lodash, Spring Boot, Java 11, Oracle	

GRID – Troy, MI workwithgrid.com	Sr. Developer	July 2018 - August 2021
Vehicle visualizer	Application that produces a vin specific 3D representation of a given vehicle using pre rendered	

(Digital twin)	artifacts and combining them on demand based on vehicle's connectors and circuits, in less than 30 seconds using AWS Lambdas, SNS and S3 services. The final version is rendered to
	different client applications using proprietary wrapper to WebGL.
Technologies	Java 8, Spring 4, AWS Dynamo DB, AWS SNS, AWS Lambdas, Node JS, ES 6, SQLite, Web Pack and Bootstrap 4
Antaris Authoring System Platform	In collaboration with publishing managers I develop new Features that increased the productivity and quality for their teams who are responsible for authoring 3D locations, Vehicle Metadata and Diagrams to the Mopar Service Library.
Technologies	Bootstrap 4, WebPack, Node JS, Es6, Lodash, Mustache Java 8, Kotlin, Spring 4, Spring Boot, MySQL, SVG and DOM

Tweedle Group Clinton Twp, MI tweedle.com	Lead Developer / Research Developer	July 2016 - July 2018
Intelligent Diagnostics (Guided Diagnostics)	<p>I.D. was designed to significantly reduce the amount of time a dealer technician takes in solving car issues. It converts the steps defined in Service Manuals into a series of questions and answers, using real time reading of the vehicle and analytical decisions to display the possible paths to a solution (DTC/ECU). I.D.'s was integrated with Empolis: A Cloud Service Knowledge Graph database that would integrate to</p> <p>I was the technical lead of a team of two additional developers and a QA. We successfully delivered the project to production and maintenance mode.</p>	
Technologies	<p>NodeJs Jade/Pug Templates, ES6 JQuery and Plugins on the front end. MongoDB as database. Node Kue to process ETL jobs with Empolis with XML/XSLT to integrate with company CMS content. A separate microservice was built using Scala/Play for VIN decoding and integration with Chrysler's Services. JQuery in the front end with 3D SDK, Java 8, Spring 4, AWS Dynamo DB, AWS SNS, AWS Lambdas, Node JS, ES 6, Web Pack and Bootstrap 4. Swagger, Travis CI, Ansible and Terraform</p>	
TRACER	<p>Diagnostics tool tailored for the most common problems in a vehicle assembly line.</p> <p>After Delivering I.D., I joined the team to increase the number of deliverables/features, as requested by technicians using the prototype in the field.</p>	
Technologies	Python, React / Redux, Swagger, Travis CI, Docker, Ansible and Terraform	
Forest River RV	As the Alexa in-house expert I developed a concept product for Forest River using Amazon's Echo Show. The prototype would integrate Owners Manual to a skill in Echo, allowing the owner to ask questions, see videos or read instructions from the device.	
Technologies	Es6, Alexa SDK, Aws S3, AWS Dynamo DB	
Nissan	Prototype of a second version of their Iphone app that is a wrap to Progressive website.	
Technologies	IOS Swift	

RIIS – Troy, MI riis.com	Sr. Developer	SEP 2015 - JUL 2016
AIM, Farmington Hills Digital Inspector	<p>Part of RIIS front on developing AIM's second generation of their inspection management system. With thousands of Inspectors, AIM relied on the team to deliver a responsive, scalable and integrative architecture that handles their complex tasks of audit planning, workflows of approval and client's data feed management.</p> <p>As a Sr. Developer, I contributed to architectural design, supervised and mentored the Jr developers on the level and quality of their craft, implemented the solutions in both back and front end as well as the ETL with Spring Batch</p>	
Technologies	Rest, Angular, Gulp, Javascript, Lodash, Node Js, Sass, Java 8, Spring(Boot, MVC, Batch, Data), Coffee Script, Groovy, Hibernate, Liquibase, Oracle, Graddle, Amazon EC2 and S3.	

Pillar – Ann Arbor, MI accenture.com	Sr. Software Craftsman	MAR 2014 - SEP 2015
	Part of Pillar's transformation team on the vehicle configuration system, named GFORCE V3.	

Ford, Allen Park MI GFORCE	This initiative aims to demonstrate to IT Ford how to achieve true rapid development and true scalable systems using TDD, micro services and continuous deployment.	
As a Sr. Craftsman I helped the team with velocity gains, troubleshooting technical problems and integration with partner systems.		
Technologies	Spring Boot(MVC, Batch, Data), AspectJ, Hamcrest, Mockito, JSF, JPA, Hibernate, MSSQL Server, Maven, Nexus, Accurev, Jenkins, Jira and IBM WebSphere.	
AAA Life, Livonia MI ExpressTerm	As an Agile consultant I was responsible for coaching company developers on Java and Javascript best practices like TDD, Design Patterns, SOLID, Programming By Contract among others, as well as contributing to team development effort to meet deadlines. In addition, assisted business and management to align priorities on requirements, estimations and deliverables process.	
As a Sr. Craftsman I helped the team with velocity gains, troubleshooting technical problems and integration with partner systems.		
Technologies	Hamcrest, Mockito, PowerMock, Jasmine, JSF, EJB 3.0, JMS, JPA, Hibernate, MSSQL Server, Maven, Nexus, SVN, Jenkins, Jira, and IBM WebSphere.	

GRID - Troy, MI	Sr. Software Developer	Jul 2010 – Mar 2014
Chrysler Information Systems	Chrysler Wiring Diagrams is a distinguishable dealer support website that provides VIN specific wiring schematics of a vehicle, as opposed to the other all of the other car manufactures which are platform specific. As the initial developer on the project, I designed and executed the implementation of the wiring schematics rendering service. As phase II of the project, I am part of the team building the Authoring Systems, where a set of satellite projects interact in a workflow - from Chrysler Engineers and Suppliers to Diagram Authors - to transform and correct the data for the rendering service to process.	
Technologies	LessCss, Bootstrap, Ajax, JQuery, JSTL, Velocity, SVG, Spring(MVC/Security/Transactions), JPA, Hibernate, Liquibase, HSQLDB, MySQL, DB2, MongoDB, Maven, Ant, Git, Jenkins, Jira and Trello, Apache, Jetty, Tomcat and IBM WebSphere.	
Atlantic Media	GRID partnered with Atlantic Media on the design and development of the second phases of both Tennis and FacetheFacts websites. As lead developer, I was responsible for gathering the requirements, integrating web design with server side, refactoring and designing new implementation, deploying and fine tuning the websites to support a daily number of 1million visitors. Both projects were delivered in very short periods of time.	
Tennis.com		
FacetheFactsUsa.com		
Technologies	LessCss, JQuery, Python, Django, PostgreSQL, SouthDB, Apache, GIT and Trac, MS ASP, MSSQL Server.	

Dishkin discontinued	Co-founder CTO	Jan 2011 – Jan 2013
Dishkin started as a Groupon competitor focused exclusively on the food industry deals in Metro Detroit. The business model of the site changed to a take-out/delivery system like GRUB / HUB. It had a customer base of 3000 clients. It was discontinued due to lack of investment.		
Technologies	Spring MVC, Apache Tiles, JQuery, JQueryMobile, Authorize.Net API, MySQL, JBoss, Tomcat and Jetty.	

Cengage Learning cengage.com	Agile Developer	Nov 2009 – Jul 2010
Worked on three teams that built cengage's educational web products. Part of the hand selected team responsible for generating the base Portlet framework that was then used across all projects of the company, with a key role in integrating the framework with Spring and IOC.		
Technologies	JQuery, JBoss Portal, Portlets, Restlets, Spring.	

Budco dialog-direct.com	Application Developer	MAY 2006 - NOV 2009
Brand Management Platform	Responsible for designing and developing components for the Brand Management Platform, like event processes, workflows and heavy load XML integrations.	

GM Navigation Disc	As a Lead developer I implemented features from high critical operations for GM China, created through a JSP parser that converted text in custom tags, and implemented web redesign with friendly user interfaces and I18N support.
Technologies	Utilized Hudson ANT and SVN for CI, JIRA for task tracking, JMeter and Easy Mock(1.0 and 2.0) for testing, Struts, JSTL, Prototype in the web layer, JBoss and iPlanet as web containers, Spring and Hibernate for middleware, and Oracle 10 as database

Interlink - Berrien Springs MI ilsw.com	Developer	July 2005 to Jan 2006
CM2	Design and development of an ETL tool (Extract Transform and Load) that is extensible with plug-ins for parsers and mappers, with a visual editor that allows mapping of fields into pdf files to generate reports.	
Technologies	Python, wxPython, XML, XSLT and Firebird Database.	

Andrews University - Berrien Springs MI andrews.edu	Developer	Aug 2004 – December 2006
Physics Department 3D Scanner Visualization	An application that exhibits 3D images of scanned archeological artifacts in OpenGL.	
Technologies	OpenGL, C++, wxWindows ,STL and cppUnit	
Physics Department Time Sheet Journal.	An intranet website that records the summary of categorized work hours and provides analytical reports for the management of department's budget.	
Technologies	Apache/mod_python, JavaScript and DHTML, Python, XML, Firebird and Linux.	
Archaeology Department Madaba Plains Project	Software that manages the data acquired on archeological digs, providing an off-line mode, user friendly interface. The data is then remotely synchronized and stored in a central subversion repository with relational integrity. Also, the application provides integration with Excel, Word and Access allowing the user to analyze and create reports with selected and filtered data.	
Technologies	Python 2.5, wxPython, integration with Subversion through pysvn, pyVelocity, WiX and firebird embedded	

Experience in Brazil

Trust Consultants trust.com.br	Lead Developer / Consultant	JUN 2002 - JUN 2004
Bearing Point Oracle Exchange OEX	Customization of Oracle Exchange (OEX)'s modules and development of Integration between OEX and SAP for the National Steel Manufacturing Company of Brazil (CSN).	
Technologies	JSP/ Java Servlets, Oracle Web Methods as ETL tool and Oracle/PLSQL.	
Nokia Code Blood Project	website for open source development of mobile software. It provided services to the open source community similar to sourceforge.net: code repository, internet hosting, forums and mailing lists.	
Technologies	Struts / JSTL/ JBOSS (EJB/CMP's), XDoclets / Ant / Cruise Control and PostgreSQL Database	
Gemco bematech.com.br	Swing Java application that controls supermarkets' cashier register using a Linux terminal. Creation of libraries and Java classes to integrate with Linux libraries for Electronic Fund Transfer	
Technologies	Java Native Interfaces-JNI. Development of C++ Library to integrated with JNI proxy classes.	

Vesta Technologies Vesta Maket	Developer	Jan 2000 – June 2002
	An e-procurement platform from Vesta Technologies serving main corporations of Brazil such as Embratel, Serpro and Votorantim of Brazil. Vesta Market offered supply chain and RFQ among other e-procurement features. As a developer, I constructed rich-client web interfaces	

with MS VB Web-Classes, client and server JavaScript, and maintained C++ COM/ATL Objects. I was also a deployment lead responsible for build and deployment automation using VBScript and J++ applications.

Education and Certifications

Java Certified Programmer	JDK 1.3. Aug/2002
MCP 70-315	Developing and Implementing Web Applications with Microsoft Visual C# .NET – Feb/2007
University of Michigan Dearborn	Junior year in Physics and Mathematics.
Federal Technical School	São Paulo Brazil, Data Processing – 1994