

PATRICK PUGA

SENIOR SOFTWARE ENGINEER

CONTACT

- 📞 915.929.9529
- ✉️ ppuga999@gmail.com
- 📍 Denver, CO, United States
- 🌐 www.patrickpuga.com

EDUCATION

The University of Texas at El Paso
El Paso, TX
M.S. and B.S. in Electrical Engineering

SKILLS

Programming Languages

JavaScript, TypeScript, Python, SQL, CSS, Sass

Libraries & Frameworks

React, React Native, GraphQL, Node, Apollo, PostgreSQL, Redux, Redis, Flask, Gatsby

Tools & Platforms

Git, GitHub, AWS, Docker, Jira, Confluence, Contentful, LaunchDarkly, New Relic

PERSONAL PROJECTS

patrickpuga.com (V2)

My portfolio website designed using Gatsby, React, Contentful and Styled Components

baezaengineering.com

A client site built using Gatsby/react while preserving original look.

INTERESTS (other than coding)

Mountain Biking, hiking, guitar, paddleboarding (anything outdoors)
Previously a site volunteer at the Humane Society of El Paso and a VASSP kindergarten/1st grade soccer coach

PROFILE

Senior software engineer with experience in full lifecycle development, full-stack software and collaborating effectively within cross-functional teams.

RELEVANT EXPERIENCE

Senior Software Engineer | Nutrien Ag Solutions | Feb 2021 - Present

- Developed and delivered high-quality, robust production-ready code, playing a pivotal role in enhancing client experiences across diverse projects, with a focus on:
 - Nutrien One Hub: Web and mobile application built using react/react-native (Typescript) that allows crop consultants and agronomists stay connected to online tools.
 - Nutrien Pocket Rain Gauge and Pocket Spray Smart IOS app built with react-native.
 - Digital Partners: A python-based backend external partner API and notification system
- To date, I've developed numerous components and screens for Web, IOS, and Android, effectively translating UX designs and workflows into production ready solutions.
- Contributed to the enhancement of a customer search API, increasing its robustness, and introducing partial word search capabilities to improve the user experience.
- Rapidly executed a crucial hotfix, upgrading the AWS SDK from V2 to V3, effectively resolving a production issue that temporarily impacted client PDF-saving functionality.
- Collaborated in architecting and developing Nutrien IOS apps, Pocket Rain Gauge and Spray Smart, from inception to successful deployment on the Apple App Store. (React Native)
- Enhanced Nutrien's Digital Partners API with custom logging events, incorporating correlation IDs, to facilitate comprehensive monitoring and statistical analysis through New Relic graphs, optimizing system performance and reliability.

Senior Software Developer | Kiliuda Consulting LLC | 2017 - 2021

- Full stack Developer for the U.S. Department of Justice El Paso Intelligence Center (EPIC) (rollover contract from Rolling Bay LLC)
- Senior developer on project to completely replace legacy DOJ application. A SaaS application to aid law enforcement in event deconfliction, identifying and coordinating simultaneous operations in close proximity. (React, Node.js, Redux, PostgreSQL, Apache Solr)
- Played a pivotal role in the development of an application that empowered law enforcement personnel to report drug seizures and leverage the data for identifying likely locations on vehicles. (React, Node.js, Redux)
- Architected and developed custom microservices to efficiently manage and share data across multiple applications, contributing to a strategic migration from a legacy monolithic architecture.
- Collaborated the development of a proof-of-concept IOS app for mobile deconfliction, demonstrating the innovation team's exceptional agility in rapidly delivering production ready mobile applications. (React-native, Xamarin Forms)
- Implemented a location microservice leveraging Apache's Solr search engine geospatial capability, vastly increasing the speed over the originals use of SQL stored procedure calculations.

Software Engineer | Rolling Bay LLC | 2014 - 2017

- Contractor for the U.S. Drug Enforcement Administration (DEA) El Paso Intelligence Center (EPIC) Innovation and Special Programs Unit
- Supported legacy law enforcement applications both frontend and backend development (react, java, SQL)
- Backend development to create a new micro service architecture with the goal of modernize legacy applications still implementing a monolithic design (.NET framework, C#)
- Led efforts to create onboarding materials for new developers while consistently updating the team's Confluence documentation