MATT BAIR

Software Engineer / Data Engineer

PROFILE

CONTACT



Enthusiastic full-stack software developer and data specialist, seeking a new role in developing software solutions, drawing on 15+ years of experience and a gamut of skills. Currently working as a data engineer and custom software architect at Western EcoSystems Technologies.

Fort Collins, CO



970.215.8813

PROFESSIONAL EXPERIENCE

matt@mattbair.com

SENIOR SOFTWARE ENGINEER

Western EcoSystems Technology, Inc / 2018 - current

* Playing key role in creating new Software Development Department
* .NET Core / Xamarin / React / JavaScript / WebAPI / SQL Server
* Custom, data-driven client software (pharmaceutical, wildlife management)
* Native Android, iOS, and UWP apps through Xamarin
* Geospatial data integration
* Data Visualization Dashboards
* Spatial Data Visualization Dashboard (OpenStreetMap + leaflet.js, DevExpress Dashboard framework and D3.js widgets)
* Completed API Framework, integrating SQL, Postgres, geospatial, R, and C# code
* Created 3d data representation models (three.js, D3.js)

SENIOR TECHNICAL CONSULTANT

Godlan / 2017 - 2018

* Software architecture (C#, JavaScript, PowerShell, web development)
* Created ETL Toolset (planning, architecture, development, integration, promotion, documentation)
* Launched Prophecy IoT - IoT software platform (integration of manufacturing data with ERP; web-based, data dashboards/visualization, data modeling and AI)
* Extensive pre-sales for services and product roadmap

SENIOR SOFTWARE ENGINEER / DATA SPECIALIST

Spirae, LLC / 2016

* Project lead for UX prototyping and development
* REST web service development (including streaming time-series data)
* Big Data acquisition, storage, retrieval, analytics
* Web front-end development for cloud enablement
* Extensive involvement with clients and stakeholders for project road map and implementation



[linkedIn profile](https://www.linkedin.com/in/matt-bair-36611032/)www.linkedin.com/in/matt-bair-36611032/[linkedIn profile](https://www.linkedin.com/in/matt-bair-36611032/)



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

SKILLS

Team Leadership

Project Planning

Creativity and Vision

Technical Communication

Sales Engineering

Attention to Detail

EDUCATION

**BACHELOR OF ARTS**

History

University of Cincinnati

1993

Cum laude

**MICROSOFT CERTIFIED PROFESSIONAL**

SQL 2016 Database Development

2019

TECHNICAL SKILLS

|  |  |
| --- | --- |
| * C# / .NET / .NET Core framework
* JavaScript / TypeScript
* Microsoft Azure
* WPF / UWP
* Native app development (iOS, Android, UWP through Xamarin)
* React, Angular
* IoT (Raspberry Pi, Arduino, PLC)
* SVG
* GIS (QGIS, geoJSON, KMZ, leaflet.js)
* 3d modeling (three.js, Blender, D3.js)
* Python
 | * MS SQL Server
* Postgres
* PostGIS
* MySQL
* MongoDB
* SQLite
* XML, XSD, XSLT
* JSON
* Web services (REST, SOAP)
* SignalR
* R
 |

SOFTWARE ENGINEER, PRINCIPAL

Infor Global Solutions / 2011-2015

* Full stack software developer on Mongoose Development Team
* UI design and development in keys areas of Mongoose Framework
* Integration development (web services) and ETL strategies for integration with other Infor systems (Ion, M3, SX, Visual, LN)
* UX prototyping and design
* Installation and development tools
* Localization (il10) and internationalization (i18n)
* Management of development team in Philippines, work with QA team in India
* International pre- and post-sales

SOFTWARE DEVELOPER

Independent Software Consultant / 2005-2011

* Full-stack ETL development (Decision Resources: DataBridge product)
* Medical care web application
* Database development

OWNER AND OPERATOR

Jerrock Electric / 1996-2007

* Industrial electrical controls and pneumatics
* Automation (PLC systems)

Problem Solving

Software Solutions

Sales Engineering

Data Storage

Data Visualization

Data Narrative

UX / UI

Application Lifecycle

 Management

Agile Development

Math / Chemistry / Biology

EXPERTISE

Software Engineer / Data Engineer

EXPERIENCE CONTINUED

MATT BAIR