

Capability Statement

August 2020



About Bitplex

Bitplex is a premium provider of software design and implementation services, working with businesses to solve their business, resourcing, or software development needs.

Mission

Our mission is to

- provide high quality advice, knowledge, and software architecture services.
- Build the software that our products, consultants and customers need. We create or re-use the right technology for the problems that need solving.
- Be the most trusted, reliable and go-to software company for regional Australia.

Core Values

Openness. Being open in decision making and conversation. Have the mutual trust and respect to talk about what is needed, good or bad, and being thoughtful and caring in how it is said.

Build with heart and balance. “Measure twice, cut once.” Whether you are building a birdhouse or a business, this is good advice. Passion and urgency underpin everything we do, balanced by the wisdom to consider options fully and with care. Then we make the cut, and we get to work.

Boldness and creativity. Be a team that is willing to try new things, work smarter and drive our company forward.

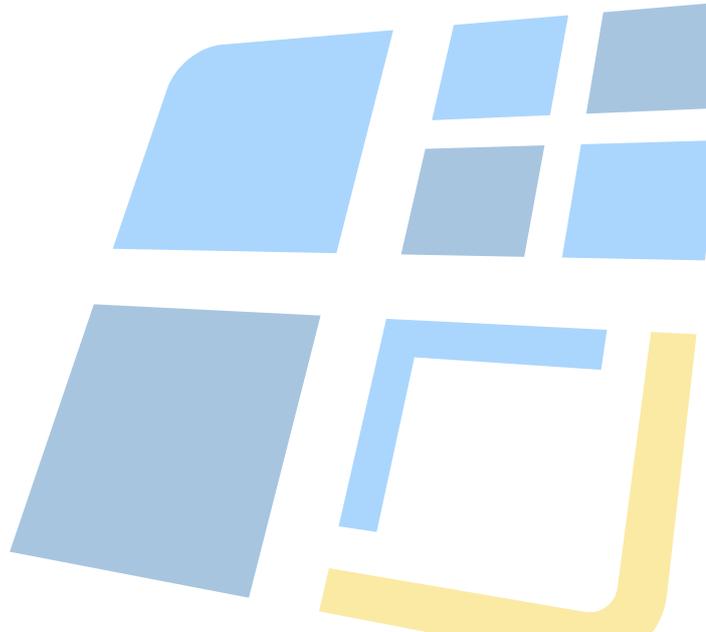
We are in it together. Our company provides us with jobs, and it is up to all of us to work together to keep it moving forward.

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Key Services



Software Development

Our team takes your unique business problem that cannot be solved with an off the shelf product, and together we design and develop custom software to meet your needs. We can also come along side your existing development team to deliver on your deadlines and budget constraints. We expand your capacity and skill sets with a minimum of fuss and fit in with your existing technology and processes.

Digital Consulting

Our consultancy arm is there to help you identify your business pain points, the challenges you are facing, and together we discover the solution that fits your business. This may be as simple as setting up a whiteboard with magnetic markers in the lunch room, to finding the right mix of off-the-shelf products, through to customising or building a solution just for you.

Custom Reporting

We work with your leadership team to create meaningful and automated reports so you can make decisions. We can help you set up your existing tools, or add custom reporting tools to solve the problem, or combine all the data from your applications into one central database that can be reported on.

Software Integration

Bitplex helps you make the most of your existing systems in your business. Do you have 3 different subscription apps that just won't talk to each other? We can automate the pushing and pulling information between your CRM and accounting package.

Mobile App Development

We transform your Mobile App from idea through to market. We can build completely new apps, or we can take over your existing app development. If you have some enhancements or bug fixes, we can take care of those. We can help with processes to provide support and pro-active maintenance to prevent issues from breaking changes after phone updates.

Website Design

Bitplex is here to turn your goal of connecting with customers online into a reality, in less time than you thought possible. We take your business goals and needs, and match it with the right level of design, implementation and support to get you up and running quickly.

Key Services (Cont'd)



Website Hosting

We provide a premium hosting solution to make your customers enjoy visiting your web site. We offer hosting based in Australia, with direct support provided by our local team.

Website Maintenance

We help you answer the question “what needs improving on my website?”. We measure if your existing site is slow or needs updating, or implement any image, menu or theme changes you need.

Industry Partnerships

Bitplex is your ideal technology partner providing support and software development services to complement your existing service offering. If you are getting requests from customers that outside of the core part of your business, we can help you retain those customers by solving those out-of-the-ordinary problems.

Information Events

We can deliver engaging and relevant content across a broad range of topics. We engage businesses on a real and practical level to help them get real results, move forward and gain the confidence and skills they need in a modern technology world.

Who we work with



CAMPDRAFTCENTRAL



Imago



Industry Solutions and Partnerships

This is a short summary of some of the ways we can partner with industry to solve tough integration or process problems.

Computer Vision

We can research and apply modern machine learning and computer vision technology to solve your difficult QA or process automation problems. Identifying unique objects, detecting features, identifying faults, we can help research and find a solution.

Systems Integration

If you have multiple pieces of engineering software or hardware that need to talk to each other, we can work with your vendors to produce an integrated solution. If you need to share tooling paths between machine, get your CAD/CAM models from one system into another, we can find a solution for you.

Process Automation

Are your designers or document controllers performing repetitive tasks for every job, document or spreadsheet? We can create automated systems so save on double data entry and increase quality.

Have your engineers created spreadsheets that capture your unique intellectual property, but are too hard for the sales or prelim design team to work with? We can build more accessible mobile or web apps around that.

PLC Development

We can find and work alongside PLC engineers to develop exactly what you need your specialized equipment to do.

Robotics Software Maintenance

Do you have an existing robotics platform that needs some tweaking, that it isn't quite doing what you need?

Our python experience can help research and develop a solution that fits your current and future requirements.

CAD/CAM automation

Is there highly complex but repetitive tasks in your design or tooling processes? Or so you have complex design or QA requirements that must be met within your CAD/CAM environment?

We can help build extensions to your software platform to capture your design requirements or QA requirements, letting you design team focus on solving engineering problems, instead of having to fight your software to do what it needs.

Frameworks / Libraries

.Net Core	◆◆◆
.Net Framework 4.x	◆◆◆
Angular	◆◆◆
AngularJS	◆◆◆◆
Anvil (Python)	◆◆◆
ASP .Net Core - Auth	◆◆◆
ASP .Net Core - General	◆◆◆
ASP .Net Core - Middleware	◆◆◆
ASP .Net MVC 4	◆◆◆◆
Cordova	◆◆◆
Corona SDK	◆◆◆◆
DevExpress - WinForms	◆◆◆◆◆
DevExpress - WPF	◆◆◆
Flutter	◆◆
Java	◆◆◆
Payments - EWay	◆◆
Payments - Stripe	◆◆◆
Payments - Zoho Subscriptions	◆◆◆
PHP - Laravel	◆◆◆
PHP - Wordpress	◆◆◆
React	◆◆◆
Serial Comms	◆◆◆◆
Telerik - Kendo UI	◆◆◆
Telerik - Kendo UI - Angular JS	◆◆◆◆
Telerik - WinForms	◆◆
Telerik - WPF	◆◆
Unity (C#)	◆◆◆
Vue	◆◆◆
WPF	◆◆◆
Xamarin - Android	◆◆◆
Xamarin - Forms	◆◆◆
Xamarin - iOS	◆◆◆

Concepts

Source Code Control	◆◆◆◆◆
OAuth 2 Flows	◆◆◆
OIDC	◆◆◆
3D Rendering	◆◆◆◆
Constructive Solid Geometry	◆◆◆◆
Linear Algebra	◆◆◆◆
Source Code Control - Branch management	◆◆◆◆
Hashing	◆◆◆
Graphs and related algorithms	◆◆◆
Scaling Out	◆◆
Scaling Up	◆◆
Desktop Application Architecture	◆◆◆◆◆
Web Application Architecture	◆◆◆◆
User Experience Design	◆◆◆◆
MVP	◆◆◆◆

Tools / Techniques

Git	◆◆◆
Mercurial	◆◆◆
SourceTree	◆◆◆◆
SQL Server Management Studio	◆◆◆◆◆
Sublime Merge	◆◆◆
SVN	◆◆◆
Three way merging	◆◆◆◆
TortoiseHg	◆◆◆◆

Languages

C#	◆◆◆◆
C++	◆◆◆◆◆
Dart	◆◆◆
Fortran	◆◆
HTML 5	◆◆◆◆
Java	◆◆◆
Javascript	◆◆◆◆
LUA	◆◆◆◆
PHP	◆◆◆◆
Powershell scripting	◆◆◆◆
Python	◆◆◆
SQL	◆◆◆◆◆
SQL - MySql	◆◆◆
SQL - MySql GIS	◆◆
SQL - Postgres	◆◆◆
SQL - Postgres GIS	◆◆
SQL - T-SQL	◆◆◆◆◆
Tcl	◆◆◆◆
Typescript	◆◆◆◆
VB.Net	◆◆◆◆
Bash scripting	◆◆◆◆◆

Monitoring / Reporting

Data Management	◆◆◆
OSISoft PI Data Archive	◆◆◆◆
OSISoft PI Asset Framework	◆◆◆◆
OSISoft PI Vision	◆◆◆
OSISoft PI Datalink	◆◆◆◆
Crystal Reports	◆◆
SQL Server Reporting Server	◆◆◆
UniPhi - Project Management Software	◆◆

Systems/Sensors Integration

Data Acquisition	◆◆◆
NMEA 0183	◆◆◆
DataTaker Data Loggers	◆◆
Measurement Computing DAQ Products	◆◆◆
SkyNet Satellite Communications (Messaging)	◆◆

DevOps

Azure Portal	◆◆◆◆
Microsoft DevOps Portal	◆◆◆◆
Microsoft DevOps - Repositories	◆◆◆◆
Microsoft DevOps - Build Pipelines	◆◆◆◆
Microsoft DevOps - Release Pipelines	◆◆◆◆
Microsoft DevOps - Issue Tracking / Management	◆◆◆◆
AWS Dashboard	◆◆◆
AWS - S3	◆◆◆
AWS - EC2	◆◆◆◆
AWS - Beanstalk	◆◆◆◆
Digital Ocean	◆◆◆
Heroku	◆◆◆
Vultr	◆◆◆◆
Docker/Containerisation	◆◆

Management

Analysis and requirements gathering	◆◆◆◆
Software Development Processes	◆◆◆◆
Project Planning	◆◆◆
Project Management and Delivery	◆◆◆
Documenting Processes	◆◆◆◆
Workplace Health & Safety	◆◆◆◆