Benjamin Babik

31 Hesketh Road, Leeds, LS5 3ET

+44 7845 271 000 work@benjaminbabik.com

*Web, desktop, mobile and embedded software developer and Agile advocate. Possessing developed skills that have been gained through establishing and developing IT projects, networks and infrastructures from conception to completion. Experience covers customer liaison, design, testing to successful implementation within budget, timescale and process limitations. Working cross-functionally within a user focused, multi-site environment, maintaining the delivery of IT services and technology projects. Up-to-date on IT developments and contributor to open source projects.*

# AREAS OF EXPERTISE

Agile software/web developer

Network multimedia applications

Database and NoSQL development

USB application design

Embedded software development

**Projects**

Creator of *tibu PEG parser* (see npm, github)

Creator of *.workitem CLI issue tracker* (see github)

Creator of *martha/marthascript language*

Founder and chair of DCDC – dcdc.io

**Languages**

C / C++ / C# / Java

HLSL

Pascal

Java

Javascript / Actionscript 3

Applescript / Metacard

HTML5

ASP.Net and ASP

ColdFusion

Perl/CGI

PHP

Boo / Python / Ruby

PowerShell

**Workshop**

PAT/Scope and meter fault finding

LX rigging

Multi channel audio rigging

Venue acoustics/Electronic assembly

Stage electrics

**Platforms**

Windows, Linux, Android

PIC 8/16bit

8051

Adobe Air/Flash/Java/.NET/HTML5

Unity3D

**Software**

GitHub, GitHub for Enterprise, TFS

Atom.io

Linqpad

DirectX & DirectShow

Rendermonkey/ShaderWorks/nvCG

3DS/Maya/Truspace/Blender/Photoshop

MS Office/Star Office

Visual Studio 7 - 2015/MonoDevelop/SharpDevelop

Borland Dev. Studio/C++ Builder/Delphi

Bloodshed Dev-C++

IP networking

MikroC, MikroPascal

Flash/Fireworks/Illustrator

Quark/Freehand/Acrobat

**Design**

AV entertainment design and implementation.

USB interface and peripheral design.

DMX & MIDI interface and peripheral design.

IR and optical systems interface and design.

**Other Interests**

Classic car restoration

Actor/Director

Community electronics workshop organiser

# PROFESSIONAL EXPERIENCE

*December 2019 – March 2020*

Radius Payment Solutions Ltd, Crewe/Manchester UK

**Agile Development Coach**

* Coaching developer mobs through TDD and better agile practises.
* Introduced React TypeScript and Storybook.js through demo led sessions.
* Introduced taiko/puppeteer driven visual regression testing to legacy web applications through with GitLab CI.
* Used Python 2/3, TypeScript, JavaScript extensively throughout.

*September 2018 – October 2019*

HSBC, Sheffield UK

**Instructor, Automation Architect**

* Instructing inhouse networks team on software development and DevOps practises.
* Introduced agile ceremonies, serverless architecture for SDN automation.
* Coach led development of a React/express and Python OpenFaaS stack based project for datacentre network management.

*May 2016 – October 2018*

LexisNexis, Leeds UK

**TDD/ATDD Coach, Coding Instructor, Automation Architect**

* Coaching QA teams from mixed backgrounds in the use of gherkin, cucumber, specflow and mstest for UI and API driven test driven development of Microsoft Dynamics AX7 in a scrum environment. Daily pair and mob programming, and leading weekly group sessions with 5+ learners. Producing electronic and practical learning materials. Developing tests and test tools using C# and Javascript in for selenium in .net 4.6 and Chrome browser extensions.
* Providing software architectural expertise for several internal and external DevOps and test automation projects.
* Led development of React/Redux and Google Polymer mobile first web app. Advocate for Progressive Web Apps, Web Components and TypeScript.
* Line managing 6 direct reports.

*April 2015 – May 2016*

Novartis, Prague Czech Republic

**Software Developer**

* C#, node.js, express and WebAPI REST, seneca microservices, Javascript, PowerShell, VB.net, MSSQL. Development of mobile device onboarding and management software infrastructure. Development of SCOM monitoring tools and API to bring SCOM to mobile. Working as part of a scrum team and kanban on solo projects. Primary technologies used include node.js, angular and Google Polymer, asp.net MVC, MSSQL, MobileIron, SCOM, Tableau.

*June 2014 – April 2015*

Capita Financial, Leeds

**Software Developer**

* C#, Oracle, PL/SQL, VB.net, winforms, WCF, MSSQL, SSIS, TFS. Continuous development, configuration and deployment of internal investment lifecycle and management platform. Agile SCRUM development. Assisted teams migrating legacy systems to 3-tier architecture.

*September 2013 – June 2014*

BT Engage IT, Chesterfield

**Software Developer**

* C#, Asp.NET, MVC, WCF, JavaScript, ServiceStack, SignalR, IronRuby, F#, MSSQL. Developing management and monitoring systems for managed hosting environments. Agile – SCRUM, Kanban development.
* PHP, node.js, Drupal, Apache, MySQL & MSSQL, Slim Framework. Integrating Drupal based managed hosting control panel and reporting frontend, inc. Highcharts based reporting, LDAP integration, Git, Jira, Bamboo and Selenium WebDriver.

*September 2012 – August 2013*

thebigword, Leeds

**Software Developer**

* C#, JavaScript, SQL software development. jQuery, Asp.NET, MVC, WPF, WCF. Waterfall & Agile (SCRUM & Kanban) development. Desktop and mobile web development.
* Managed C++; integrating legacy media codecs, advanced memory management.

*June 2012 – August 2012*

Stroma, Castleford

**Software Developer**

* Java (Android), VB.net, C# Silverlight/Mobile. Native iOS development.

July 2010 – July 2012

**Freelance Software Developer**

* Website, desktop, Windows mobile and Android development, AS3, C#, C++, Ruby, PHP, Python. Embedded, driver, firmware development C#, C, C++

*April 2007 – June 2010*

Repair-Line Ltd, Glasshoughton

**Technical Support Supervisor & Lead Programmer**

* 2nd line technical support. Overseeing & tutoring 1st support technicians. Workshop diagnostics and repairs. Organising onsite support engineers. Design and development of in-house software systems using PHP/MySQL, Flash & C# Windows & Windows Mobile.

*January 2004 – April 2007*

**Freelance Software Developer**

* E-Commerce frontend development: Flex, Flash, Photoshop & 3DS. Webhosting and user management frontends. Server-side development: PHP, ASP, ColdFusion & C#

**Freelance Electronics Engineer**

* AV conditioning and distribution systems.Analogue/Digital amplifier design and construction.Bespoke IR and RF over USB design and construction.

**Theatre Technician / Deputy Stage Manager**

* LX rigging, plotting and controlling. Stage & prop. construction and management. Full motion video / multimedia production design and operation. Computer controlled LX, sound and VT system designed and installed.

*January 2003 – January 2004*

TCA, Featherstone

**PC System Builder, Shop Manager**

* Purchasing. Network & system installation. Windows platform software development.
* Internet & e-commerce application development. Onsite and RTB warranty repairs.
* Embedded software development. Shop floor customer support. Telephone & web customer service and support. Onsite tuition and IT support.

*September 2000 – September 2002* IPC, Featherstone

**PC System Builder.**

* Purchasing. Network & system installation. Windows platform software development.
* Internet & e-commerce application development. Onsite and RTB warranty repairs.
* Embedded software development. Shop floor customer service support. Telephone & online customer service and support. Onsite tuition and IT support.

*References available on request.*