

Ben Brooks | Software Engineer

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Employment

de Poel

Software Engineer - Golang developer, DevOps, and Scrum Master

Knutsford, Cheshire

October 2015 - Present

Large scale rewrite of legacy PHP monolith into scalable, Go microservices for Angular 2 and mobile front-ends.

- Designed and developed scalable and RESTful microservices, along with a bespoke API Gateway to deliver our product to the Angular 2, iOS and Android apps.
- Shared ownership of system architecture, infrastructure, continuous integration, testing, deployment. Extensive use of AWS, Docker, Jenkins, Terraform, Prometheus, Kibana (ELK stack).
- Wrote ETLs to extract data from legacy systems, transform it for new data models, and load into new systems.

Leopard Software

PHP Developer

Knutsford, Cheshire

June 2015 - October 2015

- Developed, maintained, and supported legacy software in an agile team for B2B and client-facing products.

Webdapper Ltd.

WordPress Developer

Remote

Feb 2015 - June 2015

- Created bespoke WordPress theme and plugins for clients.
- Gained remote working skills by utilising JIRA and GitHub.

Lighthouse Design for Business Ltd.

Web Developer (Industrial Year)

Shrewsbury, Shropshire

Jul 2013 - Jul 2014

- Wrote an internal jobs system in AngularJS with a PHP driven JSON REST API and Bootstrap front-end.
- Created WordPress and Magento themes, interactive web applications with AngularJS, and static websites based on existing designs and specifications.
- Produced and maintained bespoke WordPress plugins based upon client requirements.
- Gained customer interaction skills and a deep knowledge of WordPress driven websites. Learned AngularJS to write interactive web applications.

Personal Projects

github.com/bbrks

Personal projects, voluntary contributions and some university work

- **shotgun** - A CLI tool for running commands in parallel on a set of directories.
- **midata** - A library for Go relating to the midata financial format.

Operatio

Owner, Developer, SysAdmin

<https://operat.io>

Oct 2016 - Present

A simple but configurable, open-source, self-hosted task-board, written in Go and React.

Wanderings In...

Owner, Developer, SysAdmin, Writer, Photographer

<https://wanderings.in>

Jul 2014 - Present

A travel blog, featuring photography and posts from my travels.

TF2Dingalings

Owner, SysAdmin

Jan 2010 - Sep 2016

Defunct site built around user-uploaded sound files for the Team Fortress 2 game. Featured in PCGamer and TFPortal.

Education

University of Wales, Aberystwyth

BSc (Hons) Computer Science (BCS Accredited)

Second-class honours, upper division (2:1)

Merit award scholarship in Computer Science and ICT

Aberystwyth, Ceredigion

Sep 2011 - Jun 2015

Dissertation (AWESOME): A web-based tool to evaluate the feedback of students for university modules. Written with a bespoke PHP MVC framework, an admin dashboard generates surveys from imported CSV data via university systems. Students receive anonymous but tailored questionnaires to target problem areas in their department, course, and lectures.

Module Results:

- 1st - Web Development (HTML/CSS/JS)
- 1st - Web Programming (PHP/Perl)
- 1st - Interactive Web Programming (Canvas)
- 1st - System And Network Administration
- 1st - Software Development (Java)
- 1st - Advanced Computer Graphics (WebGL)
- 1st - Hardware, Operating Systems And Unix
- 1st - Space Robotics
- 1st - Communications And Telematics
- 1st - Professional And Personal Development
- 1st - Computer Science Mathematics
- 2:1 - Internet-Based Applications (Ruby)
- 2:1 - Modelling Persistent Data (PostgreSQL)
- 2:1 - C And Unix Programming

Skills

Languages.....

- Bash/Shell
- C/C++
- CSS3/SASS
- Go (golang)
- HTML5
- Java
- ES6/JavaScript/JSON
- Markdown
- YAML/TOML
- TypeScript
- L^AT_EX
- PHP
- Python
- Regex
- Ruby on Rails
- SQL
- Swift
- WebGL/GLSL
- XHTML/XML

DevOps/Infrastructure.....

- AWS
- Terraform
- CoreOS/Fleet/Rkt
- Docker/Swarm
- Jenkins
- TravisCI
- Kibana (ELK)
- Prometheus

Frameworks/Misc.....

- AngularJS
- Angular 2
- Bootstrap
- Cocoa
- Ghost
- Git
- jQuery
- Magento
- osCommerce
- phpBB
- Tumblr
- vBulletin
- WordPress

Contact

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References

References available upon request.