Ben Brooks | Software Engineer

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Profile

A software engineer specialised in Go (golang), with experience in distributed systems/microservices, finance/invoicing, blockchains, and smart contracts. Proficient in Linux-based environments, DevOps, CI/CD pipelines, automated test suites, deployments, and release management.

Employment

JPMorgan Chase & Co. **Bournemouth, Dorset**
Software Engineer - Java/Go, DevOps *February 2017 - Present*
JPMorgan Chase & Co. (NYSE: JPM) is a leading global financial services firm with assets of $2.5 trillion and operations worldwide. The Firm is a leader in investment banking, financial services for consumers and small businesses, commercial banking, financial transaction processing, and asset management.

de Poel **Knutsford, Cheshire**
Software Engineer - Go, DevOps, and Scrum Master *October 2015 - February 2017*
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 shared packages, and 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.
- Wrote ETLs to extract noisy data from legacy systems, sanitise, transform it to new data models, and load into new systems.
Tech: Go, Python, Javascript, MySQL, Docker, AWS, Terraform, Prometheus/Grafana, Kibana (ELK), Jenkins

de Poel **Knutsford, Cheshire**
PHP Developer *June 2015 - October 2015*
- Developed, maintained, and supported legacy software in an agile team for B2B and client-facing products.
- Gained experience of working in a team using Scrum, formal code-review and testing processes.
Tech: PHP, HTML, CSS, Javascript, MySQL

Lighthouse Design for Business Ltd. **Shrewsbury, Shropshire**
Web Developer (Industrial Year) *July 2013 - July 2014*
- Wrote an internal jobs system in AngularJS with a PHP driven JSON REST API and Bootstrap front-end.
- Created WordPress and Magento themes, plugins, interactive web applications with AngularJS, and static websites based on existing designs and specifications.
Tech: PHP, HTML, CSS, Javascript, MySQL

Personal Projects

github.com/bbrks https://github.com/bbrks
Open-source projects and contributions.
- **Tools** - shotgun, slow-news-day, docker-dashboard, httpico
- **Go packages** - wrap, chroma, midata

weigh^{up} https://weighup.space
Owner, Developer *February 2017 - Present*
Web-based service. Data-driven, analytical decision-making aid.
Tech: Go, PostgreSQL, Docker

Education

University of Wales, Aberystwyth   **Aberystwyth, Ceredigion**
BSc (Hons) Computer Science (BCS Accredited)   *September 2011 - June 2015*
Second-class honours, upper division (2:1)
Merit award scholarship in Computer Science and ICT

Dissertation (AWESOME): A web-based tool to gather and evaluate the feedback of students for university modules. An admin dashboard generates surveys from imported CSV data exported via university systems. Students receive anonymous but tailored questionnaires via e-mail to identify problems in their department, course, and lectures. Staff can get view results via reporting dashboards.

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 - 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

- Go (golang)
- Bash/Shell
- Solidity (Ethereum Smart Contracts)
- SQL
- HTML
- CSS and SASS
- JavaScript/ES6
- PHP
- Python
- Java
- C/C++
- Regex
- Swift
- Ruby (Rails)
- LaTeX

Tools/Services

- Linux/Unix
- Docker/Swarm
- CoreOS/Fleet
- AWS
- Terraform
- Git
- Jenkins/Hudson
- GitLab
- Elasticsearch/Kibana
- Prometheus
- New Relic
- SonarQube

Interests

I'm usually tinkering with software, hardware, or a mixture of the two. But when tech gets overwhelming, I switch off by cycling, or cooking. Photography and travelling are also two of my passions, I combine the two and attempt to write in a travel blog at `https://wanderings.in`

Contact

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References

References available upon request.