Andrew Gelnar

Location	Shepherd's Bush, Greater London, W12	**Phone**	(+44) 7947 973 974
		Email	apgelnar@gmail.com
		GitHub	neoshrew

Technologies

Advanced	Python, Bash, SQL, Git, NGINX,
Proficient	Docker, SQL, Linux (application support), Golang, AWS, Terraform,
Intermediate	Apache Kafka, Redis, Oracle, SQLite, Postgres, Jsonschema, GCP,
Basic	CSS, HTML, JavaScript, Java, C, LaTeX

Employment History

May 2018 - Present Red Ventures
Senior Engineer

- Joined to help build and run cloud infrastructure team, working with several teams in the US to bring RV's tech stack to the EU. Authored and maintained reusable Terraform configuration to support migrating of suites of microservices in AWS cloud.

- Worked closely with the Security and Compliance departments both here and in the US as well as engineering teams to ensure that the applications and systems being brought over adhered to local UK and EU legislation (GDPR, PECR, e-privacy, etc).

- Created initial infrastructure for Bankrate UK's initial Launch, and worked to migrate it from a statically generated site in AWS S3 to an application hosted in GCP's Kubernetes engine GKE.

- After a structural change in the business I moved to work with the Data Services team of our new operating partner (ZPG Comparsion - uSwitch & money.co.uk) to create a new secure real-time eventing pipeline using Apache Kafka and AWS' DynamoDB, written in golang.

Main Technologies used: Terraform, AWS, GCP, golang, Kubernetes, Apache Kafka

May 2016 - May 2018 Condé Nast Britain
Software Engineer

- I was responsible for backend application and cloud infrastructure development alongside the CTO. I took over migration to a containerised setup using AWS' Container Service (ECS), as well as ongoing maintenance and improvement.

- Created new read-only content API to decrease front-end load times and reduce server load, by moving away from SQLAlchemy's ORM and writing optimised queries for complicated search criteria. Also created and fixed caching site-wide using Redis to solve periodic site outages related to releases and cache space changes.

- Worked with the Product and front end teams to design extensible data models for modelling editorial content, and basic design of back-office CMS interfaces.

- Instigated new Git workflows and release processes to scale with growing numbers of engineers. Worked on extending our in-house build and deploy tool *Brickyard* in support of these processes.

Main Technologies used: Python (Flask), Postgres, Redis, RabbitMQ, Docker, AWS,

Jun 2012 -   Geneity Ltd. (part of Playtech Sports)
May 2016   *Software Developer*

- Initially worked on the API team, creating and managing read-only content and read/write Transactional XML APIs reading from our central Oracle database. APIs supporting internal and external customers with thousands of transactions a minute.

- Moved onto the DevOps and Support team. Managed live environments across several datacenters managing our applications on provisioned Linux servers. Built and deployed large scale monthly releases involving merging hundreds of git commits and resolving large scale conflicts from half a dozen teams, as well as compiling and testing Database migration scripts.

- Extensive experience with 1st and 2nd line application support both in and out of hours. Also spent a large amount of time working with both technical and non technical customers to fix their issues and work on extending features of the product(s).

- Involved in recruitment process, including conducting technical interviews, Training/Mentoring new starters, and managing/reviewing work. In my final months at the company I jointly managed a small development team.

Technologies used: Python, Tornado (python), Oracle, SQLite, Memcache, Redis, RabbitMQ, Bash, Jira, Git, Jenkins, Kubernetes, Docker, docker-compose, HTML, CSS, JavaScript, JQuery, XML APIs, JSON APIs, python nose

Education

2009-2012   BSc (Hons) in Computer Science 2:1 - The University of Manchester

Studied computer architecture, distributed systems, algorithms, logic and modelling, OOD, Java, C, SoC, ARM programming, HDL/Verilog, Microcontrollers, Relational Databases, Artificial Intelligence, Compilers,
Part of peer mentoring program PASS (Peer Assisted Study Sessions) and involved in organisation of mentoring programs as a PASS Coordinator.

2007-2009   Varndean College, Brighton

A Levels: Maths A, Computing B, physics B, Chemistry C
AS Levels: Philosophy D

2002-2007   Downlands Community School

GCSE: Maths: A*, Statistics: A*, English (Lang): A, English (lit): B, Science (double award): AA, Music: A, German: A, IT: A, Religious Studies: C.

Miscellaneous

Awards   Quarterly performance award, Geneity Ltd. Jun 2014; Excellence in customer service, Iceland Foods Ltd. 2011; BTEC in aviation studies.

Interests   Gaming, both computer and table-top; Science fiction, especially the works of Issac Asimov and Iain M Banks. Eclectic music taste;

References   Available on request