

Andrew Gelnar

Location	Shepherd's Bush, Greater London, W12 8DS	Phone	(+44) 7947 973 974
		Email	andrewgelnar@gmail.com

Technologies

Advanced	Python, Bash, SQL, Git
Proficient	Linux Environment (application support), RabbitMQ, Redis, memcache, Tornado (python), Flask (python), SQLAlchemy (python), Oracle, Oracle PL/SQL, SQLite, Postgres, AWS, NGINX
Intermediate	Docker, Phabricator/Arcanist, Jsonschema, Linux (administration), nose/nose2 (python)
Basic	CSS, HTML, JavaScript, JQuery, Java, PHP, C, Apache, Golang, MongoDB, \LaTeX

Employment History

May 2016 - Condé Nast Britain

Present *Software Engineer*

- Mainly responsible for creating and maintaining backend application infrastructure, and back office applications (CMS/APIs/Database).
- Managed final migration of main infrastructure to AWS' Container Service (ECS).
- Handled day to day operation of all environments (staging/production) and changes to server/infrastructure configuration, also serving as both DevOps and application support.
- Wrote new read-only JSON API to decrease front-end load times and reduce server load, by creating optimised searching and data loading queries in raw Postgres SQL.
- Worked with the Product and front end teams to design extensible data models for modelling editorial content.
- Jointly wrote and open sourced a new BB Code parser and renderer to improve the extensibility of our bespoke BB Code format.
- Instigated new SCM (Git) protocols to ease merging work between growing numbers of developers

Technologies used: Python (Flask, Werkzeug, Jinja2, pystache, nose/nose2, SQLAlchemy, Psycopg2) Postgres, Redis, RabbitMQ, Docker, AWS, Bash, Git, Github, HTML, CSS, JavaScript, Bootstrap, JQuery

Jun 2012 - Geneity Ltd. (part of Playtech Sports)

May 2016 *Software Developer*

- Maintained existing XML APIs, and developed new pre-caching JSON APIs using Redis.
- Worked extensively on internal libraries for loading relational data (Oracle, SQLite) for use by CMS systems and XML & JSON APIs.
- Specified, designed and implemented full services to work within preexisting architectures, as well as designing and implementing new distributed architectures.
- Involved in discussions about altering development work flows, specifically regarding SCM protocol (Git) for ease of development/test/release cycles.
- Spent time working in the Dev Ops team, managing live environments, creation of releases, and deployment to test/stage and live.
- Extensive experience with 1st and 2nd line application support, both in-hours and out of hours. Managed diagnosing, fixing and patching issues on live environments handling thousands of transactions a minute.

- Involved in recruitment process, including conducting technical interviews, Training/Mentoring new starters, and managing/reviewing work.
- Joint management of a small development team.
- Daily communication with external integration teams from commercial customers, as well as a large amount of contact with non-technical staff in a support capacity.

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