

James Arcus

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Skills and Experience

Software Development

- Professional experience with C# (.NET Framework & Core), TypeScript
- Practical knowledge of Bash, C/C++, Powershell, Python, Java, JavaScript
- Build & deployment of applications using CI/CD pipelines in Azure DevOps, GitHub Actions
- Worked in multiple web frameworks: Angular, ASP.NET & ASP.NET Core, Django, Next.js
- Containerisation and deployment of applications using Docker and Azure PaaS

Cloud Administration

- Experience with both Azure and AWS clouds
- Deployment of cloud infrastructure to organisational standards using Terraform

Network and System Administration

- Linux server administration (BIND, Apache, Nginx, HAProxy)
- Routing and switching configuration: Cisco iOS, Linux
- Virtualisation/cluster management: Proxmox, Ceph

Employment

Associate Software Engineer, Royal Automobile Club of WA October 2023 - Present

- Worked in cross-functional teams to deliver and maintain both customer-facing and line-of-business applications in an Azure cloud environment
- Built shared components, tooling, and contributed to standards for a new cloud-native digital platform, enabling rapid delivery of improved customer experiences by multiple teams within a wider program
- Provided on-call software engineering support for internal business-critical applications with 24/7/365 availability requirements
- Uplifted existing systems to comply with organisation documentation, security and testing standards

Volunteer System Administrator, University Computer Club Jan 2019 - Present

- Worked independently to perform network and system administration tasks as required, including hardware installation, system maintenance tasks, and application deployment
- Coordinated with internal and external stakeholders to perform cloud infrastructure migration to AWS and Cloudflare
- Developed a Django-based donation portal, permitting fundraising events to be shifted online at short notice due to the COVID-19 pandemic

Casual Teaching, The University of Western Australia July 2019 - October 2023

Education

Graduate-level study July 2021 - July 2022

- Units completed: *Cloud Computing, Computer Vision, High Performance Computing, Mobile and Wireless Computing*
- Received Letter of Commendation in *Mobile and Wireless Computing*

Bachelor of Science (Physics, Computer Science) Feb 2016 - July 2020

- Graduated with Distinction

Certifications

Microsoft Certified: Azure Fundamentals (AZ-900) September 2024

Activities and Leadership

University Computer Club President (2020), Life member

Interests and Hobbies

4 wheel driving, photography, softball

References available on request
