Joshua Barratt
Strong Technologist & Dedicated Leader

Technical Skills

I am passionate about technology, and have developed a wide breadth and depth of experience, focused around Linux and Cloud, evenly splitting the difference between Dev and Ops.

Programming languages *Python 2/3, Go, Javascript (C, C++, Perl, Shell, Clojure)*

Python Data stack *(Notebook, Pandas, numpy, visualization)*

Computing Architectures *Cloud & Datacenter; Design for Availability, Scale, Multi-Region, HA, DR, Compliance, and maximally leveraging Managed Cloud technologies.*

AWS (Extensive) *Including Serverless / Cloud Native technologies*

Configuration Management *Ansible, Puppet, CloudFormation*

Container Technologies *Docker, Containerizing Workloads, Container Scheduling, Service Discovery, Swarm/ECS*

Modern Metrics *Prometheus, Graphite, Grafana, CloudWatch*

Linux OS *Tuning, Performance Analysis, Command Line Fluency, Distro Variations*

CI/CD *(Jenkins) and* **Testing** *Unit, Integration, TDD, BDD*

Leadership

I believe organizations thrive when people are aligned with an shared and achievable goal, and their individual needs are acknowledged and met. Leadership is the craft of making that happen.

Strong **team & department level** leadership experience.

Built out **24x7 operations team** and managed on call/escalation schedule

Agile Methodologies *Scrum, Kanban, Story Mapping, Lean Change, Complexity/Cynefin*

Numerical Fluency *Financial constraints, P&L ownership, setting measurable goals and KPI's, time series forecasting & capacity management*

Ideation and collaboration *Gamestorming techniques, meeting standards, Lean Coffee, Happiness Surveys*

Public Speaking *Including* Next Web 2015 (*Serverless*), OSCON 2015 (*IPython Notebook*), and All Things Open 2013 (*Docker*)

Chief Architect, MediaTemple / GoDaddy (2012-)
- Led up architectural & technical initiatives across the company, focusing on cross-team collaboration, including a move to Python/Microservices
- Responsible for representing Media Temple technology through the successful acquisition by GoDaddy, also providing deep extraction, analysis & visualization of company historical product and financial data
- Launched the Fully Managed Cloud offering, with a focus on creating a highly automated & scalable fulfillment process and quality (HA & Scalable) cloud architecture "as a service". Architected & Migrated over 150 Custom/COTS apps to AWS.

VP Engineering / CTO, Media Temple (2005-2012)
- Led the launch and refinement of several new product lines, including an innovative clustered shared hosting product
- Developed the engineering team from a single team of 8 to 60 members in multiple teams, including internal adoption of Scrum (software teams) and Kanban (operations teams), and incident management processes with including healthy postmortem and after action reporting/followup
- Also introduced Configuration Management (early adopters of Puppet), CI (package-driven), and metrics/monitoring/capacity planning systems

Software Developer / Partner, Concept Overdrive (2002 - 2005)
- Founding member of Concept Overdrive, which developed pioneering Real Time motion control software for use in Motion Pictures, ultimately receiving an Academy Award in 2017.
- Responsible for many aspects of the system, including the entire user interface (C++/QT), featuring a full Non-Linear editor.

System Administrator, Media Temple (2003-2004)
- Responsible for day to day operations work (Server Provisioning, troubleshooting, ticket escalations)
- Additionally, built out early (pre-CM) automation to streamline processes and improve availability

Other Achievements
- 2017 Scientific and Engineering **Academy Award**
- BS in **Computer Science & EE** (UCLA, 2001)
- AWS **Certified Solutions Architect** (Associate & Professional)