

Shaun Michael Baker

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Summary

I build, nurture, and inspire inclusive IT and software development groups that deliver phenomenal products through a focus on user experience, design and excellent engineering. I bring a depth of technical expertise, hands-on engineering skills, and a commitment to building organizations that value empathy, bringing your whole-self-to-work and the value of difference. I believe that inclusive organizations are better organizations and am a passionate supporter of women-in-tech, veteran outreach and university recruitment programs. In my spare time, I love to code, run and practice mindfulness.

Experience

 **Director & Chief Enterprise Architect** Oct 2019 - Present
BP

Led the strategy and architecture team supporting AWS, Azure, ServiceNow, Salesforce.com, Palantir, Mulesoft and all other technologies that come together to make a single digital and data platform for BP.

- Accelerated our transformation by building our University talent attraction program, starting our innovation center at University of Illinois' Research Park and improving our gender balance amongst the inbound graduates by over 200%. Championed the movement to bring-your-whole-self-to-work by promoting discussions about mental health, inclusivity, the value of cognitive diversity and the importance of leadership authenticity.
- Partnered with Microsoft to explore the use of Azure Stack to provide a ubiquitous digital development platform across both traditional office environments and the harshest locations on earth.
- Championed an API-first culture that uses the power of microservices to enable federated development and decision making while still allowing for centralized discovery, security and control.

 **Director Of Networking** Jun 2013 - Oct 2019
BP 6 years 5 months

Transformed BP's Global Network Services organization. Focused on delivering an evergreen, fully elastic, globally consistent and highly agile set of network services that enable our users to do what they do best. Operations span 75 countries, 330 sites, 10k network devices, 1k circuits, 50k voice ports and 17k fuel stations.

- Shifted from a purely outsourced delivery model into a blended team that leveraged the scale and capabilities of suppliers for commodity work while an internal, technology-focused, engineering and design led group fused traditional development/project work with operations.
- Reduced MPLS services in favor of high-bandwidth internet links with an SD-WAN overlay built on x86 hardware; drove down transport spend by > 40% and reinvested into people, LAN and security upgrades.
- Deployed a core network backbone at carrier neutral facilities that enabled faster cloud interconnects, better positioned the enterprise to take advantage of the increasing commodification of data transport services, decoupled the network from the legacy datacenters environment and enabled a service-chain centric approach to network functions.
- Developed an 'evergreen' approach to wireless and wired LAN environments that significantly increased cost-base elasticity, ensured continued fitness-over-time and laid the foundation for BYOD.

- Adopted a cloud-native approach to the traditional enterprise backbone through the use of Azure and AWS transit gateways for inter-regional routing instead of expensive undersea circuits.



Senior Information Technology Manager

Apr 2010 - Jun 2013

BMC Software

3 years 3 months

Direct leadership of an 26 person global team. Responsible for the cost performance, continuous process improvement, operations and strategic alignment of IT services supporting BMC's Sales, Channel, Marketing and Global Services organization. Acted in a consultative role to increase operational efficiency in back office and field operations. Provided thought leadership in the employment and usage of salesforce.com and the associated product eco-system to enable business objectives.

- Moved organization from ad-hoc requirements management and development processes to an agile software delivery methodology. Delivery velocity increased > 25% per quarter for four straight quarters while reducing aggregate defect rate by 40%.
- Successfully managed the custom development of BMC's first automated online configure-price-quote system designed to allow Account Managers to self-quote complex new-product, product migration and renewal opportunities.
- Integrated four M&A targets' front-office automation systems with zero down-time.



IT Network Manager & Architect

Dec 2004 - Apr 2010

US Army

5 years 5 months

Direct leadership of a team responsible for architecture, design and operations of network services throughout the Pacific Rim (Hawaii, Korea, Japan) in support of the Department of Defense. Directly responsible for an annual IT services budget in excess of \$1.25 million with an advisory role for all major IT service purchases for subordinate organizations. Deployed to Baghdad, and led the team building and operating the unified communications backbone for the United States and Multinational Forces in Iraq.



Computer Science Intern

Jun 2003 - Jul 2003

University of Alaska Fairbanks

2 months

Evaluated the feasibility of utilizing massively-parallel real-time compression algorithms on largely numeric data streams in order to reduce disk input/output operations and maximize overall CPU utilization rates.

Education



United States Military Academy at West Point

2000 - 2004

Computer Science, 3.6

Distinguished Graduate Award



Indiana University - Kelley School of Business

2005 - 2007

Finance, 3.8

Skills



Enterprise Architecture • Building Inclusive Organizations • IT Transformation • Digital Transformation
 • Software Development • Design Thinking • User Experience Design (UED) • API Architecture and Development • Strategic Vision • Powerful Communicator