

David Bonnell

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A **Software Architect and Developer** with a career of successful design and development of award winning software products, **blue chip** employer.

- Won internal **awards** for innovation, outstanding achievement and performance
- Granted several **US patents** and have multiple patents pending
- Work recognized by multiple **industry awards**
- Equally comfortable as a **software architect** or with hands-on software development **leading a development team** or as an **individual contributor**
- Enjoy working in a team but am **self-motivated** and can work independently with little guidance

Now looking for the opportunity to develop new software solutions or extend existing solutions in exciting and innovative ways.

Architect / Corporate Architect BMC Software, USA/Australia/UK

2000 – June 2008

Asked by CTO to come back to BMC Software to address technical issues and delays with major software projects and provide technical leadership.

Architect BMC Software Ltd, Egham, UK

June 2005 – June 2008

Relocated to UK (self-initiated). Senior developer of BMC Dashboards for Business Service Management.

- Senior Flex/Java developer, instrumental in developing the first two releases of BMC's first RIA, an enterprise dashboard for Business Service Management that was the Adobe MAX Award 2007 finalist for Rich Internet Applications
- Designed and prototyped innovative solutions for complex technical problems with current and new BMC products that resulted in the filing of 5 US patent applications
 - Dynamic Folding of Listed Items for Display (11956498)
 - Dynamic Compression of Systems Management Data (11956498)
 - Impact Propagation in a Directed Acyclic Graph (11956507)
 - Impact Propagation in a Directed Acyclic Graph Having Restricted Views (11956522)
 - Service Model Flight Recorder (12123779)
- Awarded "Innovation Award" for innovative thinking, excellent performance and overall contribution

Corporate Architect BMC Software Pty Ltd, Australia

March 2002 – June 2005

Stepped down as chief architect of Distributed Systems Management BU to relocate back to Australia and focus on research and prototyping of new products.

- Developed prototype system for automatic determination of abnormal values for application and system key performance indicators
 - Developed prototype system for predicting estimated time to failure of key application and system performance indicators
 - Developed prototype management solution for VMware using the private beta version of VMware's Web Service based VirtualCenter SDK.
 - Developed automated load balancing solution for blade servers in conjunction with Fujitsu's Autonomic Computing Division in Tokyo, Japan
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Corporate Architect

November 2000 – March 2002

BMC Software Inc, Houston, Texas, USA

Relocated to USA. Working for the Office of the CTO, drove technical direction for the Distributed Systems Management Business Unit (>500 employees).

- Drove major new version of BMC PATROL to release following several years of the development team struggling with performance, scalability and other technical problems
- Designed and drove release of BMC Distribution Server
- Architect and lead developer of BMC Service Monitoring Platform, a complex, multi-tier distributed application providing a real-time Business Service Management solution for UBS CH
- Architect and lead developer of an innovative (patent pending), automatic load-balancing solution for Sun Enterprise 10000/15000 servers
- Lead security review and FIPS certification of BMC PATROL and also contributed to an internal course on development of secure code
- Senior member of BMC's Architect Council and Patent Review Committee
- Awarded "Significant Invention Award" and "Topgun Recognition Award"

Director/Senior Consultant, Bonnell Technology Pty Ltd, Australia

1996 – 2000

- Kept on retainer by BMC Software, developed various software solutions for BMC and other clients

Product Author, BMC Software Inc, USA

1994 – 1996

- Relocated to USA following acquisition of PATROL Software
- Architect and lead developer for BMC PATROL v3.0
- Granted two US patents on PATROL (5,655,081 and 5,978,594)

Lead Developer, PATROL Software Pty Ltd, Australia

1992 – 1994

- Lead developer for PATROL Agent and OS Knowledge Modules

Training and Development

- Advanced Adobe Flex development

Skills

- Adobe Flex/AS3 (3 years, advanced)
- Java (3 years, advanced)
- C (10+ years, expert)
- C++ (< 2 years, intermediate)
- X11/Xt/Motif (5 years, advanced)
- Scripting languages: Perl, PHP, PSL, shell (10+ years, advanced)
- Databases: MySQL, Oracle, Derby (5+ years, intermediate)
- OS: HP-UX, Solaris, AIX, DYNIX/ptx, Linux, Windows (10+ years, advanced)
- Web: HTML, XSL/XSLT, CSS, JavaScript (10+ years, advanced)

Education

Bachelor of Science, 1st Class Honours in Computer Science
James Cook University, Australia

1987 – 1990

Personal Details

DOB: 6th September 1969

Married to Judith with two children

Interests

- Gardening: Enjoy tinkering in the garden
- Badminton: Play social badminton, one to two times a week
- Camping: Keen camper but sadly haven't managed to get away for a while