

Jean-Michel Besnard

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OBJECTIVE **A challenging position in a fast growing market**

EDUCATION **MSc (Distinction) in Biometrics** **2003-2004**
University of Westminster, UK

BSc (Hons) Computing (Network & Telecommunications) **2002-2003**
Sheffield Hallam University, Sheffield, UK (Upper-Second)

DUT Informatique **2000-2002**
Institut de Technologie, Université de Bretagne Sud, France
Equivalent to a BSc in Software Engineering

DEUG I MIAS, **1999-2000**
Faculté des Sciences, Université de Rennes I, France
Mathematics and Computer Science

FOREIGN **French :** mother tongue
LANGUAGES **English :** fully fluent
 German : fully fluent
 Chinese (Mandarin) : basic level

COMPUTER **Telecom**
SCIENCE & Experience with TDM and VoIP technologies for fixed and mobile telephone networks
TELECOM

- Voice & Signalling : E1/T1, SS7, ISUP, TCAP, SIP, RTP
- SMS/MMS : MAP, SMPP, MM7

SKILLS

Programming
Development of web-based applications, testing suites (simulators, protocols analyzers, data aggregators, statistics and quality of service). Creative thinker, fast learner and excellent troubleshooter

- Programming languages : Perl, Java, PHP, C/C++

- Technologies & protocols: Berkeley DB, RRDtool, LDAP, SOAP, SNMP, PCAP (Ethernet, TCP/IP), HTTP, SMTP, IMAP

Advanced Database

Experienced in designing and maintaining SQL-based database systems.

- SQL, PL/SQL
- Products: MySQL, Oracle, Postgres

Security

Thorough understanding of IT security assessment, advanced architectures for secure communication, computer forensics, etc.

- Conventional and public key encryption
- Hash functions and MACs
- Digital Signature and PKI
- Secure Protocols (SSL, TLS, HTTPS, SET)

Network & System Administration

Rich experience in Network & System Administration after years of practice in production environments.

- Firewalls, reverse proxy and content filtering technologies
- File System Integrity and Intrusion Detection
- Design of Distributed Architecture for High Availability
- Wide experience with Apache, Postfix, Bind and others

Miscellaneous

- OS: Linux (my favorite OS since 1997), Mac OS X, Solaris
- Asterisk: I am using it at work for endurance tests on our equipments and at home for my own interest

EXPERIENCE

Project Engineer

since June 2005

The job covers all technical aspects of our projects. I work closely with our developers and report to the Project Manager.

My current position requires solid programming skills and in depth knowledge of the technologies and protocols used in networks with emphasis on telephony.

My excellent multi-language communication skills allow me to act as a liaison between developers, support engineers, managers and the customers.

- Telecom, network & system expertise: reviewing technical specifications, troubleshooting systems
- Development of administration and QoS tools, network elements simulators, network sniffers to analyze traffic and protocols, parsers to aggregate CDR, logs and traces and produce statistics

Consultant (self contractor)

September 2002 to June 2005

After successful completion of my internship at Tekkno, Inc. I continued to consult the firm while finishing my studies.

- Further developments
- Deployment, maintenance and support
- IT Consulting

Internship as part of the “DUT” Degree **April to September 2002**

Tekkno, Inc - Santa Monica, California

Integration and development of a Groupware solution based on opensource projects (Horde and ISPMan) and featuring:

- Users accounts management
- Web-based applications (e-mail, shared addressbook, calendar, tasks and notes) based on opensource projects (Horde, ISPMan)
- Employees e-mail and web activity monitoring
- High Availability: design and integration of a failover system to ensure high availability of the services

First experience in the U.S.

Summer 2001

Seaworld Adventure Park - San Diego, California

- Photographer and salesman in the park.

Network/System Admin and Web Developer

March to July 2000

IT Department, Almeda.de GmbH - Munich, Germany

- Network and system administrator
- Web-based applications development

Waiter in a 'Biergarten'

Summer 1999

Biergarten am Chinesischer Turm, Englischen Garten - Munich, Germany

- Performed various duties : waiter, busser.

Worker in a factory

Summer 1998

Dueker Eisenwerk GmbH - Karlstadt, Germany

- Performed various jobs in the factory.

Hobbies

Travelling

When I am not working or studying, I spend most of my time traveling.

Activities

Sports (hiking, bicycle and boogie boarding) and cooking.