

Babak Farrokhi

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Objective

Looking for a position utilizing a strong background in UNIX system administration, Information Security and Network Engineering, where I am able to further develop my skills by being encouraged and challenged in my work with continuous learning and professional growth.

Key Qualifications

I have strong experience in UNIX System Administration, Coding (C, Perl, Python, Lua), TCP/IP Networks (IPv4 and IPv6), Network Security and System / Network Scaling. I have over a decade's experience in engineering management, and excel at hiring the right people and building effective teams.

Career Highlights

- Author of “Network Administration with FreeBSD 7” (PACKT Publishing, 2008) – ISBN 1847192645
- Involved in setting up the first private Internet Service Provider in IRAN (1996)
- Developed and deployed the first private Internet Service Provider in IRAQ (2002-2003)
- CTO of two successful broadband internet startups, in charge of planning, design and development
- Founder and CTO of a successful InfoSec Startup in Iran with major customers, including largest mobile operator in Middle East (MCI) and first 3G network operator in region (RighTel)
- 17+ of experience in Service Provider business
- Completely familiar with Service Provider business model
- Conducted several training courses on Unix operating systems including Solaris and BSD systems, trained over 200 engineers
- Involved in National broadband access network design and implementation for more than 4 years
- Active member of FreeBSD development community (ports) since 2004

Work Experience

CTO / Co-Founder
Imen Pardis Technologies

Apr 2009 - Present

- Managed a cross-functional team of over 15 engineers.

- Trained over 200 engineers in various areas including BSD/Solaris Operating Systems and Information Security
- Helped major customers to migrate to OpenSource solutions by providing consulting, training and design services
- Created BisPhone messaging network (OTT) which enabled over two million users to communicate using their smartphones
- Designed and developed high performance (carrier grade) network management and security solutions
- Designed and Developed CDN solutions for customers with specific requirements
- Assisted Enterprises and Network Operators to enable IPv6 in their networks by providing various services including Training, Design and Deployment
- Helped partners and customers to make their infrastructures more scalable and resilient by designing and implementing Load Balancing and Traffic Distribution solutions
- Developed complete Carrier Grade NAT (CGN/LSN) solution for major mobile network operators with millions of customers
- Created NetOS operating system (Based on FreeBSD) as a basis for our Carrier Grade appliances, including ipCGN and ipDNS

Developer

Jul 2004 - Present

FreeBSD Project

- Ported and maintained over hundred various open source software to FreeBSD platform as Ports Committer

COO

Mar 2010 - Apr 2012

Bistalk Telecom AG

- Managed team of over 20 engineers and specialists
- Managed a sophisticated international IP based telephony operator
- Created value added services over VoIP networks
- Managed the Local Internet Registry (LIR) with RIPE NCC

CTO

Aug 2006 - Jan 2010

DATAK Telecom

- Managed a team of over 30 engineers
- Redesigned and managed a complex multi-vendor metro area network which utilized different WAN technologies and access methods (FWA, MWA, xDSL, Metro Ethernet and WiMax)
- Designed and Implemented Residential VoIP services as value-added for broadband customers
- Designed a public WiFi network using captive-portals
- Managed the Local Internet Registry (ir.datak) with RIPE NCC
- Successfully designed and deployed IP Address Management (IPAM) solution to manage IP addresses for more than 20,000 broadband customers as well as Service Provider's network infrastructure
- Designed and deployed large scale broadband access termination solutions (PPPoE and L2TP) using Juniper ERX solution
- Successfully migrated existing billing solution to a carrier grade billing solution and integrated with OSS system

- Developed several pieces of software in C and Perl in FreeBSD and Linux, mostly related to OSS integration and network management

CTO
Shatel

Aug 2004 - Aug 2006

- Managed a team of over 30 engineering staff in different technical areas
- Successfully built a fully functional technical infrastructure from the ground up and hired talented engineers
- Designed and implemented a national scale ADSL broadband network with over 20,000 ports in initial phase
- Designed general purpose datacenter for broadband aggregation and application services using Cisco and Paradyne gear
- Developed plan for first Internet Exchange point in Iran
- Managed the Local Internet Registry with RIPE NCC (ir.shatel)
- Built an operator grade service infrastructure to provide critical services such as DNS and Billing

Technical Manager

Aug 2000 - Aug 2004

DATAK Internet Engineering GmbH

- Deployed country-wide IP-over-Satellite VSAT network based on SCPC and DVB technologies
- Designed and implemented VoIP services for oil rigs in Persian Gulf using Cisco equipment
- Successfully designed and deployed QoS and SLA management solution for VSAT customers
- Managed to become largest LIR in region
- Successfully designed and implemented one of the largest ISP and access providers in IRAN
- Created technical plan during inception phase of ADSL access networks in IRAN
- Managed a complex IP/DVB based VSAT hub

Co-Founder / Director of Network Services

2000 - 2001

Planet Networks LLC

- Successfully implemented a dialup ISP
- Developed ISP billing solution based on TACACS+ protocol for Cisco Access gateways
- Conducted Solaris System Administration courses for MCI (Mobile Network Operator)

Technical Manager

1997 - 2000

Apadana

- Developed several web based CGI applications using MS Visual C
- Developed site specific billing solution based on Windows NT and Microsoft IAS services (Radius)
- Developed a full-featured mail server (SMTP and POP3 protocols) on Windows NT 4.0
- Implemented many infrastructure services such as DNS, Web, AAA and DHCP on

Windows NT

- Implemented content control solution for Microsoft Proxy Server in Windows NT 4.0 (ISAPI DLL)

Software Developer

1995 - 1997

Gozineh Pardaz Ltd

- Developed Terminal Communication and Fax software with a team of four engineers in DOS and Windows environments
- Developed general software for internal use (such as general purpose installer utility in DOS and Windows) using Turbo C, Turbo Pascal and MS Visual C++ 4

Publications

Book: Network Administration With FreeBSD 7

April 2008

Packt Publishing

Article: Tunneling with FreeBSD

April 2008

Packt Publishing

Article: IPv6 with FreeBSD

June 2009

Packt Publishing

Presentation: DDoS Mitigation Tools and Techniques

October 2015

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Other Activities

Beside my core skills, I enjoy playing Tennis (NTRP 3.0), Listening to Jazz And Blues music and reading lots of books