Marcello Barnaba

http://sindro.me/
vjt@openssl.it
+39 348 706 7886

A generalist, talented and passionate engineer with interest and solid skills over a broad spectrum of computing and internetworking. Experienced in web technologies, from JS to HTTP to (no)SQL down to the OS; Linux & BSD system administration; laying out TCP/IP networks; troubleshooting; security hardening. When I'm not breathing UNIX, I lift my telescope up to the sky and collect photons from outer space.

Experience

IFAD.ORG — Tech Lead — Feb 2016 - Present

Reviewed technical proposals and collaborated in the technical analysis.

Coordinated technical discussion between stakeholders.

Collected requirements and authored technical documentation.

Interviewed and hired technical resources.

Oversaw software development and integration within the existing infrastructure.

Reviewed security design, vulnerability assessment and security hardening.

Planned technical project activities.

IFAD.ORG — Software Engineer — Jan 2011 - Jan 2016

Architected and developed multiple line-of-business applications and services. DM, CRM, CMS, BPM, SSO, IAM, SoA, Microservices, Webcasting, Social Media.

Built, secured and maintained multiple execution environments for 30+ Ruby applications.

Integrated homegrown solutions with Enterprise software platforms.

Established a core set of shared frameworks, releasing them as Open Source whenever possible.

Fostered participation and collaboration between divisions through effective technological solutions focused on data deduplication, process automation and information architecture.

Coached team members and established a collaboration culture with an hacker spirit.

Liaised with customers, iteratively collecting requirements, building solutions and releasing them.

Mind2Mind s.r.l. — Software Engineer — Sep 2009 - Dec 2010

Built panmind.com with Ruby, Javascript and Erlang.

Accomodated the project's pivoting due target audience shift.

Designed, built, automated, optimized and hardened the staging and production UNIX environments.

Fostered open source collaboration through GitHub releases and presentation to conferences.

Coached junior developers and systems administrators.

Lime5 s.r.l. — Software Engineer — Feb 2008 - Nov 2009

Built and delivered visitacsa.it and myousica.com with Ruby, Javascript and Adobe Flex.

Led the development team in close contact with the business stakeholders.

Interviewed and hired technical resources.

Aided in designing and executing an ante litteram Lync+SharePoint Enterprise 2.0 project.

Softmedia p.s.c.r.l. — Software Engineer — Dec 1999 - Dec 2007

Built, maintained and controlled the company's and customers' UNIX and Windows infrastructures, providing file, Groupware, Web, Security and connectivity services.

Executed on-call troubleshooting and remote assistance on servers and client workstations.

Built public-facing and private web applications with PHP and Ruby.

Established development, issue tracking and deployment workflows.

Collected requirements and shipped custom solutions to the company's established product line.

Community projects

Antifork.ORG — Systems Administrator — Jul 2007 - Present

Gained experience and group membership through security research.

Established maintenance of the legacy of the group, manifesto and code, produced in the early 2000s.

The Binary Elevator — Software Engineer - Jul 2007 - Dec 2007

Experimented in an artistic, titanic effort with Gianluca Guida and Orlando Bassotto to build from scratch a next-gen, platform-indipendent IMS then turned into a binary translation exercise.

Built logging systems and Media Gateway with C.

Azzurra.ORG IRC Network — Software Engineer — Jan 2002 - Nov 2005

Azzurra IRC Network has been the largest Italian IRC network in the early 2000s.

Extended DALnet's ircd with IPv6, SSL, cloaked client hostnames and Azzurra-specific features (code).

Added SSL support to the irssi IRC client.

Built multithreaded, SQL-backed IRC services (code).

Technologies

GNU/Linux, *BSD, OSX, Windows Server, TCP/IP, HTTP, Ruby, Javascript, sh, PostgreSQL, MySQL, NoSQL, E-mail systems, Distributed systems, UNIX infrastructures.

Skills

Problem solving, learning, troubleshooting, business analysis, requirements gathering, communication, engineering, Getting Things Done.

Interests

Astronomy, Cosmology, RF, Music, Traveling, Scuba Diving.

Languages

Italian (mother tongue)

English (full professional proficiency)

Spanish (basic understanding)