

## RESUME – CHRIS SCHWARZFISCHER

### FOCUS AND OBJECTIVE

Identifying technology suitable for the client, evaluating and prioritizing software platforms/solutions aligned with the client's strategic goals.

Supporting the management decision-making process by providing the client with precise and up-to-date documentation.

Play an active role in building the client's solution.

Deliver quality results on the highest level.

### EXPERIENCE

#### Freelance Consultant (2001-present)

**2011**

Customer portal redesign

Role: Senior Consultant

- Portal analysis
- Analysis of current usage KPIs
- Development and presentation of change proposal

**2011**

Native iPhone Application(s)

Role: Senior Developer

- Data retrieval from backend and display
- Offline Storage and Data Entry
- Server synchronisation
- Push notification integration

Technology: Xcode, Objective C, Restkit, CoreData

**2011**



## Secure File Transfer System

Role: Senior Developer

- Custom mechanism for automatic secure file transport between systems
- Receipt generation and processing
- Digital Signature and Encryption

Technology: Bash, OpenSSH, X.509, RFC3161 Timestamping, SQLite, Apache, PHP

## 2011

### Mobile Web HTML Game

Role: Senior Developer

- Simple game supporting marketing campaign(s)
- Desktop browser fallback for reuse in „standard“ web page

Technology: HTML5, CSS3, jQuery, jQTouch, MySQL, CakePHP

Team Size: 3

## 2010-2011

### iPhone Web Application(s)

Role: Senior Developer

- Analysis/Decision on frameworks
- Reuse of common components to support recurring marketing campaigns

Technology: CakePHP, MySQL, jQuery, jQTouch

Team Size: 4

## 2010

### ETL Process Implementation

Role: Senior Developer

- Parallel processing of bet data
- Report generation
- Management Interface

Technology: Pentaho Data Integration, MySQL, CakePHP



Team Size: 2

**2010**

Native iPhone Application

Role: Senior Developer

- Push Notifications
- High frequency server updates
- Optimized Transfer

Technology: XCode, Objective C, PHP, MySQL, Varnish, Apache

Team Size: 3

**2009-2010**

iPhone Web Application

Role: Senior Developer

- Database backed web application
- Look & Feel identical to native iPhone app
- Geolocation support for automated user data entry

Technology: CakePHP, MySQL, jQuery JS Library

Team Size: 3

**2009-2010**

ETL Process Implementation

Role: Senior Developer

- Extraction from COBOL generated data files
- Transformation based on database backed configuration
- Data export to downstream process

Technology: Pentaho Data Integration, Oracle

Team Size: 2

**2009**

Portal Development

Role: Project Lead

- Customer facing order entry system
- Streamlined process for ordering products
- Transport order entry data to backend processes
- Scrum inspired development process

Technology: CakePHP, MySQL, jQuery JS Library

Team Size: 8

### **2008-2009**

Portal Development

Role: Project Lead

- Industry web portal targeting
  - Knowledge sharing
  - Personal relationships
  - Learning content

Technology: J2EE Servlet, O/R Mapping Tools, Webservices, Dojo JS Library, PostgreSQL database

Team Size: 10

### **2007-2008**

VoIP Softphone

Role: Analyst, Technology consultant

- Custom VoIP Client based on vendor provided SDK
- SIP based Instant Messaging and Presence
- Bandwidth management
- Conferencing and video features
- XMPP based instant messaging analysis


Team Size: 5

### **2006**

VoIP System Design and Quality Management

Role: Analyst, Technology consultant

- Custom VoIP Client based on vendor provided SDK

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- Bandwidth management
  - Codec evaluation and setup
  - Conferencing and video features
  - NAT traversal strategies and implementation of a FW/NAT traversal solution
  - Selection of vendor for underlying technology
  - Implementation and test

## **2006**

VoIP System Design and Quality Management

Role: Analyst, Technology consultant

- Custom VoIP Client based on vendor provided SDK
- Bandwidth management
- Codec evaluation and setup
- Conferencing and video features
- NAT traversal strategies and implementation of a FW/NAT traversal solution
  - Selection of vendor for underlying technology
  - Implementation and test


## **2003 – 2005**

Product Management for a well-known international ISP

- Premium services rating and billing engines (subscriptions and events)
- Integration of micropayment systems
- Digital music shopping and distribution system
- Redesign of customer self service portal (billing related)
- Access billing updates and optimization
- Billing and rating infrastructure optimization and rollout

Focus: Billing and rating processes , digital media media platforms

## **2003**



Business case analysis, application design and project management of a database driven sales support application

Technology: Visual Basic, Oracle

**2002-2003**

Business case analysis, application design and project management of a database driven gambling agent application, e-commerce frontend.

Technology: J2EE Servlet, O/R Mapping Tools, Template Libraries, Crypto Libraries, Java Client, MySQL database

**2002**

Design of acceptance tests and quality management for a completely outsourced network infrastructure and IT services

**2001-2002**

Conceptional work and execution of a request for proposal for a complete outsourcing of network infrastructure and desktop services with \$10 million annual budget

**FOUNDER AND GENERAL MANAGER**

e. effective web productions GmbH, Germany (1997-2001)

- Financial Management
- Head of Software Development
- Management of 10 person staff

Recruitment and training of web development, application server programming and database development

**2001**

Analysis of business case, design, implementation and support of a web-based e-procurement system for nursing homes and hospitals

Technology: WebObjects 5 on Solaris, Oracle 8i database

**2000**


Analysis of business case, design, implementation and support of a web-based e-learning internet shopping system

Technology: WebObjects 4.5 on Solaris, Oracle 8i database

**2000**

Analysis of business case, design, integration of technology/content partners and optimization of a product base search engine for the largest European ISP

Technology: WebObjects 4.5 on Solaris, Oracle 8.0 database



### **1999-2000**

Analysis of business case, design, implementation and support of a shopping portal web application for the largest European ISP

Technology: WebObjects 4.5 on Solaris, Oracle 8.0 database

### **1999**

Design and development of a firewall analysis tool for a major German bank

Technology: Sun C++ on Solaris

### **1998**

Complete intranet IP design for the largest European ISP

### **1997**

IP Routing design and implementation in a firewall environment for the largest European ISP

### **SELF-EMPLOYED (1995-1997)**

Consulting ISPs in design and implementation of network infrastructure

Technical customer support



## **EDUCATION**

**1995-2000**

Computer science and economics

## **EXECUTIVE SKILLS**

- Excellent written and verbal communication skills
- Project Management for small and medium sized teams (< 20 team members)
- Creative problem-solving
- Access to a network of consultants with in-depth project experience from prior joint projects

Languages: German (native), English (fluent)

## **TECHNICAL EXPERTISE**

### **Development related**

Objective-C, PHP, Java, C++/C, (X)HTML0-5, Javascript (and libs)

### **Network related**

XMPP, SIP, RTP, NA(P)T and all the underlying basics

### **Security related**

IPSec, Cisco firewalls, Linux based filtering techniques