**徐鹏** **中国科学院计算技术研究所**

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**教育背景**

* **2012/09—2015/07** 中国科学院计算技术研究所 计算机网络专业 工学硕士
* **2008/09—2012/07** 中央民族大学 计算机科学与技术专业 工学学士

**项目经历**

* **2012年8月—现在 路由与流量综合监测系统**
* 该系统实现各个自治系统的路由和流量信息的综合监测，包括测量平台和监测分析平台两大部分。本人的工作是负责测量平台上OSPF/BGP报文的采集功能和监测分析平台上路由与流量综合分析功能。本人基于Quagga虚拟路由器实现报文的采集，利用Java实现报文接收、解析，构建网络拓扑，利用Mysql实现数据存储，实现路由异常告警、配置异常告警，完成链路流量汇集功能，完成数据同步功能。该系统已部署应用于大规模网络检测。

详见:<https://github.com/penguy/RouteAnaly>

* **2011年6月—2011年8月** **餐饮企业网上订餐和电子菜单运营系统**
* 该项目属于中国大学生服务外包创新创业大赛(<http://www.fwwb.org.cn/>)第二届参赛项目，该系统分为电子菜单运营模块和网上订餐模块。本人的工作是负责电子菜单运营模块和后台管理系统所有功能，包括菜品展示、顾客点菜、菜品评价、菜品推荐、菜品管理、人员管理等功能。系统采用B/S架构，本人使用PHP实现逻辑功能，用js完成交互通信，用Mysql存储数据,设计并完成平板电脑上交互界面。该系统获得第二届大赛优秀奖。
* **2010年9月—2011年11月**  **基于RFID技术的****实验室设备管理与跟踪系统**
* 该系统属于国家大学生创新性实验项目(<http://dean.pku.edu.cn/innovation/>)参赛作品，基于RFID无线射频识别技术通过读写器、天线、电子标签完成设备信息的检测，单片机接收来自读写器的信息并进行过滤和解析，利用GSM无线短信模块(西门子TC35i)进行信息的发送和接收；服务器将GSM模块接收的信息进行解析，利用Java Swing组件开发设备管理客户端，用Microsoft SQL Server存储数据。在该项目中本人负责服务器信息接收、解析和存储，设备管理客户端开发。

**实习经历**

* **2014年7月—2014年9月 阿里巴巴 共享业务事业部-店铺平台与TAE 研发工程师**
* 负责淘宝TAE2.0平台（<http://tae.taobao.com/>）上帮助中心Demo教程模块中九个PHP导购Demo的功能实现、界面设计和文档。功能包括JS和CSS的使用，权限管理，基础服务（数据库服务、缓存服务、文件存储服务、分布式网页抓取服务和日志服务），淘宝TOP的API调用。

详见：<http://tae.taobao.com/support/article/158>

* 负责淘宝TAE2.0平台（<http://tae.taobao.com/>）上控制台Workstation的App应用代码仓库逻辑功能，基于Java，使用Easyweb框架，我利用JGit和SVNKit纯Java类库实现从GIT/SVN代码仓库获取应用各分支列表展示功能，调用淘宝HSF（High-Speed Service Framework）接口访问数据库，实现对用户指定分支的应用进行编译部署预处理功能。
* 负责淘宝TAE2.0平台上控制台Workstation的服务化逻辑功能，使用Easyweb框架，通过淘宝HSF接口调用juappcenter应用中心的API，完成文件存储服务、FetchUrl服务、缓存服务、数据库服务和应用APP服务的逻辑功能实现，完成与Web前端交互接口；调用TOP的工单申请API，完成工单申请服务化功能。

**技术能力**

* 熟悉常用算法、数据结构、Windows/Linux操作系统
* 熟悉C、C++、Java、Javascript、PHP、HTML、CSS、J2EE
* 熟悉常用数据库MySQL、Microsoft SQL Server，了解Hadoop、Memcachedb、Redis
* 熟悉TCP/IP协议，OSPF、BGP、IS-IS路由协议

**语言能力**

* CET-6 450 CET-4 515

**获奖经历**

* 2011-2012学年，国家奖学金，北京市优秀毕业生。
* 2010-2011学年，专业一等奖学金，全国大学生数学建模竞赛北京市二等奖，中国大学生服务外包创新应用大赛优秀奖。
* 2009-2010学年，专业一等奖学金，校级数学建模一等奖。
* 2008-2009学年，专业一等奖学金，国家励志奖学金，校级数学竞赛一等奖

**Xu Peng** **Institute of Computing Technology Chinese Academy of Sciences**

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**Education Background**

* **2012/09—2015-06** Chinese Academy of Sciences Computer Network Master
* **2008/09—2012/07** Minzu University of China Computer Science and Technology Bachelor

**Project Experience**

* **2012/08—Now Routing and Traffic Comprehensive Monitoring System**
* This is a comprehensive system of monitoring the routing and traffic information among autonomous systems, including measurement platform and monitoring analysis platform. I’m in charge of the collection function of OSPF/BGP packets on measurement platform and the comprehensive analysis function of routing and traffic on monitoring analysis platform. I implemented the collection function of the packets based on the virtual router Quagga, and used Java to realize packets receiving and parse and constructed the network topology, and used Mysql for data storage. I fulfilled the abnormal routing warning and the abnormal configuration warning, and finished the collection function of link flow and the synchronization of data. The system has been deployed and applied in large-scale network detection.
* **2011/06—2011/08** **Catering Enterprises Online Reservation and e-Menu Operation System**
* The system is the entry of the second China Students Service Outsourcing Innovation and Entrepreneurship Competition; it is divided into e-Menu operation module and online reservation module. I took charge in all functions of e-Menu operation module and background management system, including dish display, taking orders, tasting notes, recommended dishes, dishes management and people management. The project is a B/S architecture system; I used PHP to realize logic functionality and developed interactive communications with JavaScript, and used Mysql for data storage, meantime, I designed and completed the interface on a tablet computer.
* **2010/09—2011/11** **RFID-based Laboratory Equipment Management and Tracking System**
* The system is the entry of the National Undergraduate Innovative Test Program. The project is based on RFID to detect equipment information by RF reader, antenna and transponder, and then MCU receives the messages from the RF reader and parses these messages. I used GSM module (Siemens TC35i) to send and receive these messages, and the server parses the messages from GSM module. I developed the device management client with Java Swing and used Microsoft SQL Server for data storage.

**Internship Experience**

* **2014/07—2014/09 Alibaba Share Business Division Development Engineer**
* I fulfilled the nine PHP Demo’s implementations of functions, interface design and documents writing in the help center of Taobao TAE2.0 platform. The functions include the use of JS and CSS, rights management, basic services (eg. database service, caching service, file storage service, distributed FetchURL service and log service) and TOP API calls.

See <http://tae.taobao.com/support/article/158>

* I took charge in the logic functionality of the console ‘Workstation’ of Taobao TAE2.0 platform. The platform is based on J2EE, Easyweb and AngularJS Framework. I used JGit and SVNKit pure Java library to fetch user app’s branches information from GIT and SVN repository, and called Taobao HSF (High-Speed Service Framework) to access database, and accomplished compiling and deployed the app which was specified by user.
* I took charge in the logic functionality of the servitization in console ‘Workstation’ of Taobao TAE2.0 platform ( <http://tae.taobao.com/> ). By Using Easyweb Framework and calling the JuAppCenter’s API via Taobao HSF, I completed the logic functionality of file storage service, FetchURL service, caching service, database service and app service, and I accomplished the problem orders’ management service by calling TOP API.

**Technical Ability**

* Familiar with common algorithms, data structure, database, Windows/Linux
* Familiar with C, C++, Java, JavaScript, PHP, HTML, CSS, J2EE
* Familiar with MySQL、Microsoft SQL Server, understanding of Hadoop、Memcachedb、Redis
* Familiar with TCP/IP, OSPF、BGP and IS-IS routing protocol

**English Skills**

* CET-6 450 CET-4 515

**Scholarship and Awards**

* 2011—2012: National Scholarship, Beijing Outstanding Graduates.
* 2010—2011: School Professional First-class Scholarship, Beijing Second Prize of China Undergraduate Mathematical Contest in Modeling, Excellence awards of China Students Service Outsourcing Innovation and Entrepreneurship Competition.
* 2009—2010: School Professional First-class Scholarship, First Prize of School Mathematical Contest in Modeling.
* 2008—2009: School Professional First-class Scholarship, National Encouragement scholarship, First Prize of School Mathematical Contest.