汪子健

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武汉职业技术学院 软件工程 • 大专 2000-12-30 武汉

计算机软件工程专业毕业生, 擅长 Java Web 开发, 有 4 年的 Linux 使用经验，熟练掌握 Java, Rust 和 JavaScript 等编程语言. 热衷学习新技术, 在业余时间学习了 Rust, Flutter 新兴等技术. 喜欢使用 Linux 命令行工具, 如 Git, Tmux, NeoVim 以及 Modern Unix 等工具.

技能和语言

操作系统 Linux （4 年)
编程 Java, JavaScript, Rust, Sql, Dart
工具 IDEA, Docker, SSH, Git, Tmux, NeoVim
前端开发 Vue3, Flutter, React
后端开发 SpringBoot, SpringCloud Alibaba, Mybatis Plus

教育背景

2019.09 | **武汉职业技术学院** • 软件技术
2022.06 | 计算机科学 • 大专

计算机技能

- 熟悉 Java Web 开发, 掌握常用的 SpringBoot, SSM, MyBatisPlus 等框架.
- 熟悉 SpringCloud Alibaba, 熟练使用常用的 Nacos, Gateway, Ribbon, Sentinel 等组件
- 熟悉 Vue3, Flutter, React 等前端开发框架
- 熟悉 Java, Rust, JavaScript, Dart 等编程语言
- 熟悉关系型数据库 MySQL, 熟悉 Redis, MongoDB 等 NoSQL 数据库
- 了解 JVM 内部原理, 如: 类加载机制, 运行时内存布局, 垃圾回收机制等
- 熟悉 Linux 操作系统, 熟练使用 Git, Tmux, NeoVim 等工具
- 熟悉常见算法和数据结构, `LeetCode` 累计 120+ 题解
- 在校期间负责维护学校工作室的服务器, 为学校提供网站建设服务

个人项目

- `LocalBiz`: 本地商业服务平台, 为用户提供附近的商业服务信息
  - 客户端 使用 Flutter 开发, 具有跨平台的特性支持 Android, iOS, Web, Linux, Mac 和 Windows
  - 后端 基于 Ruoyi Cloud 开发, 使用 SpringBoot, SpringCloud Alibaba, Mybatis Plus 等技术
  - ORM 测试 `DataBase Rider` 框架进行测试
- `cotm`: 跨组织人才管理系统, 为企业提供人才管理服务
  - 前端: Vue, VueX, ElementUI 和 Axios 等
  - 后端: SpringBoot, Shiro, MyBatisPlus, Redis 等
- `jvmrs`: 用 Rust 编写的 JVM, 用于学习 JVM 原理
  - Class 文件解析
  - 运行时数据区
  - 大部分字节码解释器
- `eChat`: 用 Rust 编写的聊天室, 用于学习 Rust, 以及**协程**.
  - Web 框架 `axum`.
  - 异步运行时: `tokio`
  - 数据库: `sqlx`

项目经历

2021.07 – 2022.04 开发工程师 @ 武汉夏宇信息有限公司

- **统一登录平台**

  为公司内部基于不同框架开发的多个系统提供统一的登录平台

  - 前端: 使用 Vue3 开发的单页面应用
  - 使用 Ruoyi 开发的项目, 提供统一的权限管理
  - 和多个系统进行对接, 使用 JWT 或 Cookie 进行身份认证
- **航空管理系统**

  包含航空公司管理, 航班管理, 学习资源管理, 乘客管理等功能

  项目职责

  - 大屏展示接口开发
  - 内部员工培训学习资源管理模块开发
  - 维护已经存在的接口

2022.04 – 2023.06 开发工程师 @ 华通科技

- **国铁物资系统**

  一个仓库库存管理系统, 具有库存管理, 库存预警, 库存盘点等功能

  - 前端: 使用 uni-app 开发的微信小程序
  - 后端: SpringBoot, Shiro, MyBatisPlus, Redis 等

  项目职责

  - 负责物资管理模块的开发
  - 负责库存管理模块的开发
  - 负责库存入库模块的开发
- **装备流程管理系统**

  此项目包含装备组装流程, 装备审核流程, 装备出库流程等功能.

  - 前端: 基于`layui`框架开发
  - 后端: 基于`guns`框架开发, 有 SpringBoot, MyBatis, Shiro, Redis 等.

  项目职责

  - 开发与配置，产品项目显示化流程需求对接
  - 负责装备审核流程管理模块的后端以及前端的开发
  - 负责编写 Dockerfile, 以及 docker-compose 文件部署项目

Weitian LI

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Ph.D. in Physics Shanghai Jiao Tong University (SJTU) 1991 Sept. Shanghai

Highly-motivated Ph.D. in Physics (radio astronomy) with good foundations of math and statistics. Proficient in data modeling and analysis, and enthusiastic about computer and network technologies. With 10 years experience in Linux and BSD, skilled in Shell, Python, and C programming. Passionate about open source and share multiple projects on my GitHub. Meanwhile a DragonFly BSD operating system developer and a contributor to several other open source projects.

Competences & Languages

Operating Systems	Linux (10 years), DragonFly BSD & FreeBSD (7 years)
Programming	Python, C, Shell, R, Tcl/Tk
Tools	SSH, Git, Make, Tmux, Vi, Ansible
Data Analysis	R, Pandas; Matplotlib, ggplot2; Keras, Scikit-learn
Web Development	Flask, JavaScript, jQuery, Bootstrap
Languages	**English** — reading & writing (good); listening & speaking (conversant)

Education

September 2019 September 2013	School of Physics and Astronomy, **Shanghai Jiao Tong University** Ph.D. in Physics
June 2013 September 2009	Department of Physics and Astronomy, **Shanghai Jiao Tong University** Bachelor's Degree in Applied Physics

Computer Skills

- DragonFly BSD operating system developer: 200+ code commits; kernel and system utilities; participate in discussions and anwser questions in mailing lists and the IRC channel.
- Use Ansible to manage a VPS running DragonFly BSD that serves personal email, authoritative DNS, website, Git, IRC, etc.
- Built and administrate the workstations, a 4-node computer cluster, and network facilities for the team.
- Participated in building and testing the SKA high-performance cluster prototype (1 login node + 1 data node + 4 computing nodes) in Shanghai Astronomical Observatory.
- Designed and developed the whole website (Django, Bootstrap, jQuery) for "The 1st China–New Zealand Joint SKA Summer School" in 2014.

Personal Projects

- `atoolbox`: (Python, Shell) Various tools collected over the years, to help manage systems, do daily tasks, analyze data, etc.
- `dfly-update`: (Shell) A simple tool to update a DragonFly BSD system.
- `openrcs`: (C) Enhance `OpenBSD RCS`, to make it compatible with `GNU RCS`.
- `fg21sim`: (Python) Simulate the low-frequency radio sky maps.
- `cdae-eor`: (Python, Keras) Use a Convolutional Denoising Autoencoder (CDAE) to separate the faint EoR signal.
- `chandra-acis-analysis`: (Python, Shell, Tcl) Semi-automate utilities for analyzing X-ray astronomical data.
- `resume`: (LaTeX) The template and source files of *this resume*.

Research Achievements

- Developed the low-frequency radio sky image simulation software: `FG21sim`.

- Developed a suite of utilities to semi-automate the X-ray astronomical data analysis: `chandra-acis-analysis`.
- Separated the faint cosmological EoR signal along the frequency dimension using a Convolutional Denoising Autoencoder (CDAE).
- Classified the radio galaxies in the FIRST survey according to morphologies using a Convolutional Neutral Network (CNN).
- Significantly improved the modeling of radio halos, and integrated the instrumental effects of radio interferometers into the simulation pipeline.
- Improved the background modeling in X-ray spectral fitting achieved more accurate and robust fitting results.
- Published 2 first-author and 8 co-authored SCI papers.

Internships

August 2018 – April 2018 | Data Engineer @ Leadvisor Technology Inc. (startup company)

- Search and scrape product and advertising data from Amazon web (Python, Requests, BeautifulSoup).
- Deployed the Airflow server and database to periodically retrieve product sales and advertising data from Amazon.
- Developed the website (Flask, jQuery) to help customers to optimize their advertising campaigns on Amazon.

September 2013 – July 2013 | Web Developer @ 97 Suifang (startup company)

- Developed the back-end (Django) to support user registration, data storage and search.
- Developed the front-end (jQuery, AJAX) to visualize the temporal variations of a patient's examination indicators.