RANCO XU

CONTACT

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WEBSITE

- www.rancoxu.com.au/portfolio

SKILLS

- Python
- Javascript
- React.js
- Bootstrap 5
- PostgreSQL
- MongoDB
- Git/Github
- HTML/CSS
- Django/Flask/Express
- Unix/Linux
- Docker
- Nginx/Apache2
- uWSGI/Gunicorn
- Excel VBA
- R/R Studio
- Matlab

ADDITIONAL INFORMATION

Australian Citizen

PROFESSIONAL SUMMARY

- 6+ year Python development experience
- 2+ year experience in Javascript
- 2+ year experience in linux system, linux server and app deployment
- Experience in both frontend and backend development
- Strong academic background in Mathematics, Statistics, Data Science and Finance.
- Proficiency in MongoDB
- Proficiency in PostgreSQL and database management on server
- Full stack developer and data scientist by profession

WORK HISTORY

Senior Python Developer, 03/2023 to current
Argyle Group / Redland Premium Fruit - Brisbane, QLD

- Database design, setup and maintenance
- Web app development and deployment
    - An online budgeting and analysis platform
    - User authentication and management system (OAuth2.0)
    - File management system
    - Internal messaging system
    - High performance computing with validations
    - Approval system
    - Version control system
    - Data pipelines to Xero/Odatalink/approvalMax
    - Built with Flask, pandas, sklearn, Javascript, HTML/CSS, Postgres
    - Deployed on Ubuntu server with Nginx and Gunicorn
- Automation in business as usual
    - File operation tools with UI to manipulate files in batch
    - Web crawler to collect water market and weather data from public sources
    - Xero cashflow scraping bot built with PyQt6 and Selenium
    - Odatalink database mirror to improve reporting performance
    - Real-time database refresh using Python and crontab on Ubuntu
- Manage Github repositories
- Deployment of all web apps and automations that require scheduled execution
- Data modelling and visualisation on water runoff, crop growth and so on

Senior Investment Analyst, 11/2021 to 03/2023
Suncorp Group / Brighter Super - Brisbane, QLD

- Monitored and analysed financial, statistical and operational data trends
- Consolidated financial data and materials for key leadership meetings
- Solved portfolio management problems with use of diverse analytical and modeling techniques
- Built and maintained databases for forecasting future financial performance
- Monitored fund and equity investments and risks

Investment Analyst, 11/2019 to 11/2021
Suncorp Group - Brisbane, QLD

- Investment data collecting, consolidating and cleaning
- Conducted detailed investment & risk analysis, calculations and reports
- Developed mathematical & statistical models for diverse projects and analysis
- Created and maintained precise and accurate models, visualisations and reports
- Managing APRA reporting and other compliance reports
- Automated BAU reports

EDUCATION

Master of Science: Financial Mathematics, 07/2019
University of Queensland - Brisbane, QLD
GPA 6.6/7
Dean's commendation for academic excellence

Diploma: Economy, 05/2015
University of Wisconsin - Eau Claire - Eau Claire, WI, USA
GPA 4.0/4
Exchange visitor for 2 semesters

REFERENCE

On request.