NiBiLin

Senior Front End Engineer

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Software Engineering
Bachelor's Degree / Graduated June 2017

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Working experience

Alibaba Group `work`
2020.06.18 - 2022.05.20

Taobao Digital Virtual

【Business Overview】

including direct charging (recharge centre),
non-charging (number card, traffic pack), interactive (wool pulling),
B-side merchant operation platform, internal operation platform,
and through A/B experiments to help user growth

【Techniques】

- H5 full-link log

  Problem：Online problems are identified through a single point in the problem description
  and cannot be located if the problem cannot be effectively reproduced
  Solution: Using indexDB to store logs and an edge script to
  get the traceid of the request as a basis for log trace correlation

- Personalised SSR based on edge computing

  Problem：Different crowd tags correspond to different display effects,
  SSR server pressure, resulting in long white screen time
  Solution: Using edge computing to realize CDN's dynamic policy caching of HTML,
  accelerating output content

Ant IoT

【Business Overview】

Covering all Ant offline payment devices, Alipay boxes in small and medium-sized merchants,
self-service ordering machines in large shopping malls, face-sweeping payment devices, etc.
The entry point for payment devices is to solve the payment problems,
and there are many things related to content operations beyond the payment scenario

【Job Details】

- Dynamic business scenarios on IoT devices
- IoT Marketing UIPaaS
- Face recognition miniprograms/plugins
- WebRTC，OCR plugins

【Techniques】

- Dev tools

  Problem：The entire development and debugging process relies on documentation
  and repetitive command line execution, which is inefficient
  Solution: realizing end-to-end debugging tools,
  visual operation and automation of monotonous and repetitive manual processes,
  providing desktop version （Developed in python） and Vscode plugin version

- IoT front-end optimisation （Offline package->In-house self-developed cross-end container）

  Background：There are many different types of IoT devices with varying configurations,
  many of which cannot meet the requirement of second turn-on （Offline package）
  Problem：self-developed container is not yet mature, UI level support ability is weak,
  marketing need to invest double manpower output h5 version and internal application version
  Solution: realizing a set of code to build multi-end product and automatic H5 downgrade,leading the design of the solution framework

Yealink `work`
2017.06 - 2020.2.21

UC

【Project】

UC: Enterprise communications solution, including management and user side (PC, mobile)
The user side adopts the inline webview method,
with functions such as polling, questionnaire, announcement,
meeting booking, PBX, SMS gateway, topics, etc.

【Duties】

- Role： Project front-end leader
- Tasks： Requirements review, task allocation, technical support, functional development

【Main Job Details】

- Lead project refactoring and output specifications
- Multi-skin, automated testing solutions
- Using electron as a simulation tool to optimise the development chain and increase efficiency

【Techniques】

- High Performance
  1. Conference booking component：From runaway to second open
  2. Tree components:4+s -> 1+s
  3. Slow loading inline webview: offline package
- Memory leak：De-cyclic references, active GC triggers
- High concurrency NG502: Compression analysis, parameter tuning
- Inefficient cross-departmental interfacing for H5 hybrid development: electron as a simulation tool

Skills

- Javascript,Typescript,Html5,CSS
- React,Vue,Miniprogram
- Webpack,Rollup
- Python,Node,Java,Shell

Awards / Certificates

- Received a national scholarship
- Professional ranking in the top three
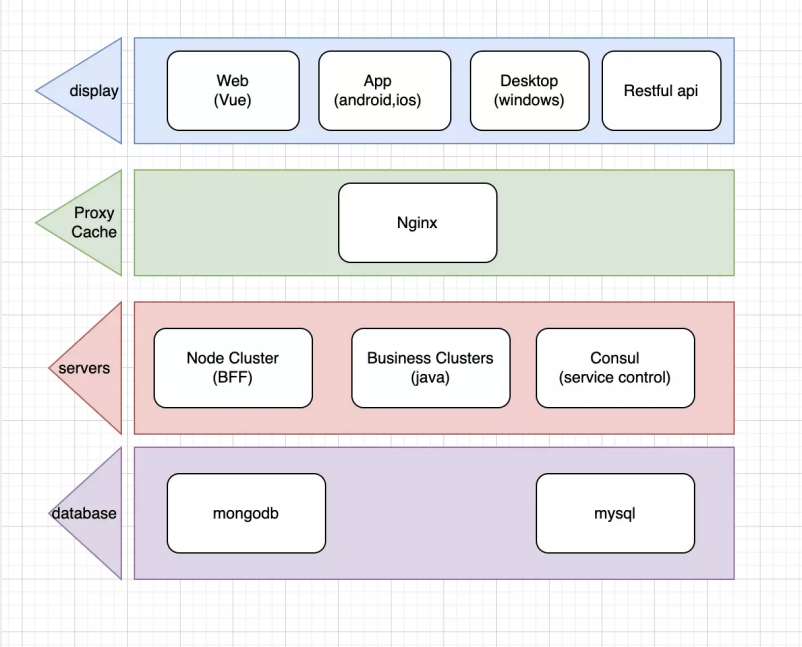- Having taken IELTS test（English level intermediate）