Pascal MUANG KHOT
BACK-END ENGINEER

✉ pmk@khot.us

EXPERIENCE

Fandom (Metacritic / TV Guide) *(San Francisco, USA)* 2022 - 2023
Software Engineer - Back-End Developer

- Managed the high-volume CMS powering Metacritic and TV Guide sites reaching millions of website and app users.
- Implemented a transcoding system and CMS and commerce features.
- Contributed to API development for improved front-end usability.

Methods: Code reviews (PR), Pair programming, Agile & Waterfall methods.
Technologies: PHP, Symfony, GCP, MongoDB, MySQL, Solr, Memcached, VueJS, jQuery, Docker.

Red Ventures (CNET / ZDNET) *(San Francisco, USA)* 2020 - 2022
Software Engineer - Full-Stack Developer

- Maintained and optimized a high-traffic content management platform serving millions of users for CNET and ZDNET.
- Oversaw front door, articles, and ads features for both brands.
- Enhanced CMS with new features and commerce functionalities.
- Excelled in debugging, investigating data requests, ensuring smooth operations, and handled integration for internal support systems.
- Developed APIs for seamless front-end usage.

Methods: Code reviews (PR), Agile & Waterfall methods.
Technologies: Ruby on Rails, PHP, Symfony, MongoDB, MySQL, Solr, Memcached, VueJS, jQuery, Docker.

Paramount ViacomCBS (Chowhound) *(San Francisco, USA)* 2016 - 2020
Software Engineer - Back-End Developer

- Led development of internal CMS/API with Rails as a site engineer.
- Successfully migrated the entire stack from the datacenter to GCP.
- Integrated User Account System, Sendgrid for mail/queue management. Integrations with Wordpress, and Apple News.
- Implemented Place System with 3rd party integration. Dockerized our legacy stack and optimized it for scalability.
- Optimized server performance, including Apache and Redis, and implemented a streamlined branching strategy for development.

Methods: Pair programming, Code reviews (PR), Full-on scrum methodology.
Technologies: Ruby on Rails, Resque, MySQL, Redis, Memcached, Bootstrap, Docker, Heroku, React, AWS, jQuery.

Trulify *(San Francisco, USA)* 2013 - 2015
Software Engineer - Full-Stack Developer

- Collaborated on Trulify and FairLoan app development using Rails.
- Integrated custom APIs with payroll service bureaus and implemented Chargify for subscription billing. Integrated SMS notification system with Twilio and migrated legacy front-end framework to Bootstrap.
- Designed secure server/client solution for uniform data exchange with payroll bureaus, handling sensitive PII.

Methods: Code reviews (PR), Strict git flow, Agile (IPM/Stand-up)
Technologies: Ruby on Rails, Sidekiq, Bootstrap, Heroku, AWS, jQuery.

SKILLS

Languages	Ruby, Javascript, PHP, HTML/CSS, SCSS, Dart
Frameworks / Environments	Rails, Node.js, Express, Sinatra, Bootstrap, Next.js, jQuery, React, Electron, Flutter
Libraries / Services	Sidekiq, ActiveAdmin, Devise, Twilio, Sendgrid, Postmark
AI / ML	OpenAI, LocalAI, llama.cpp, Stable Diffusion
QA & CI/CD	RSpec, Capybara, Selenium, GitHub Actions, Jenkins
DevOps	Docker, GCP, Cloudflare, Fastly, Heroku, AWS, OVH, DO, New Relic
System Administration	Debian, Ubuntu, OS X Server, Windows Server, Bash, Powershell
Databases	Postgres, Redis, MongoDB, MySQL, SQLite, Solr
Media Tech / Miscellaneous	Icecast, liquidsoap, ffmpeg, OBS, Blackmagic, Photoshop, Premiere Pro, Logic Pro
Project / Tech Management	Gitflow, Agile, Scrum, Jira, Pivotal Tracker

EDUCATION

SUPINFO University *(Paris, France)* 2008-2013
Bachelor of Science (B.Sc.) with honors in Computer Science

Throughout my education in computer science, I pursued many internships.

iTLiGENT *(Paris, France)* 2011-2012
Software Engineer - Full-Stack Developer

Milky Interactive *(Paris, France)* Summer 2010
Software Engineer - Front-End Developer

Vigilio *(Paris, France)* Summer 2009
Software Engineer - Front-End Developer

LANGUAGES

English
Bilingual Proficiency

French
Native Language