Pascal MUANG KHOT

SENIOR SOFTWARE ENGINEER
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Profile

Software engineering with strong back-end operational skills

10+ years of professional experience in backend and frontend web development

Devops & system administration knowledge

Strong team player with attention to good practices

Experience

Red Ventures / Fandom (CNET / ZDNET / Metacritic / TV Guide) *(San Francisco, USA)*
Software Engineer - Full-Stack Developer
2020 - 2023

I was in charge of keeping the internal CMS used by all internal brands up and running. I also took charge of the front-end features for both brands, including front door, articles, and ads. Furthermore, I continuously improved the CMS with new features and commerce-related functionalities.

Additionally, I excelled in debugging and investigating data requests, ensuring smooth operations. My role also involved API development for seamless front-end usage and handling updates to the internal support system with Jira integration. I actively contributed to implementing a new video transcoding system and introduced various CMS and commerce-related features. Moreover, I provided dedicated support for legacy brands to ensure their seamless integration into the system.

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

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

I held the position of site engineer, overseeing the development of the internal CMS/API using Ruby on Rails. I successfully managed the migration of the entire stack from an internal datacenter to Google Cloud Platform (GCP). Additionally, I handled the integration and migration of the User Account System, as well as the integration of Sendgrid for mail/queue management. I also facilitated the integration of Wordpress and took charge of managing the community forums and Apple News integration.

Furthermore, I implemented a Place System with 3rd party integration and dockerized the entire stack for improved scalability and deployment. In my role, I optimized server performance, including Apache and Redis, to enhance system efficiency. Moreover, I implemented a branching strategy for streamlined development and successfully carried out database and code optimization to improve overall performance.

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)*
Software Engineer - Full-Stack Developer
2013 - 2015

I collaborated with a team to develop Trulify and FairLoan applications using Ruby on Rails. I also worked closely with payroll service bureaus to integrate custom APIs and successfully integrated a subscription billing system with Chargify. Furthermore, I integrated an SMS notification system with Twilio and performed the migration of the front-end

framework from Bootstrap 2.3 to Bootstrap 3.0.

Additionally, I designed and implemented a server/client solution to securely manage the uniform data exchange with payroll service bureaus, handling sensitive PII including bank and income information.

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

Education

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

2008 - 2013

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

Skills

Languages	Ruby, Javascript, PHP, HTML, Cascading Style Sheets (CSS), SCSS
Frameworks/Environments	Rails, Node.js, Express, Sinatra, Bootstrap, Symfony, jQuery, React
Libraries/Services	Sidekiq, ActiveAdmin, Devise, Twilio, Sendgrid,
QA	RSpec, Capybara, Selenium
DevOps	Docker, GCP, Cloudflare, Fastly, Heroku, AWS
System Administration	Linux Debian, Ubuntu, OS X Server, Windows Server
Databases/Structures	Postgres, Redis, MongoDB, MySQL, SQLite, Solr, JSON, XML, GraphQL
Streaming/Media	Icecast, SHOUTcast, liquidsoap, ffmpeg, OBS, Blackmagic
Project/Tech Management	Gitflow, Agile Methodologies, Scrum
Miscellaneous	Photoshop, Premiere Pro, Logic Pro, Final Cut Pro

Languages

English
Bilingual Proficiency

French
Native Language