Miguel Angel Acevedo

Senior Software Engineer

Target-oriented senior software developer with extensive experience (over 20 years) in the digital marketing world and IoT. Knowledge of web technologies and understanding of DevOps and infrastructure.

WORK EXPERIENCE

Cloud Lead & IoT   Jan 2021 - Present
Tensor Energy, Japan

- Defined the base architecture and tech for the next energy platform in Japan.
- Lead new staff to follow good development and deployment practices
- Coding server services in Typescript (GraphQL) and Golang (Lambda)
- Serverless approach in AWS environment, Lambda, Aurora (Postgres), Steps Functions, ECS, Batch
- Code as infrastructure with CDK

DevOps - Senior Software Engineer   Feb 2020 - Dec 2021
Henderson (China) Investment Company Limited, Hong Kong

- Architecture the high availability system, performance optimization, and library analysis for better performance
- Designed and implemented stream micro-service architecture for the IoT integration
- Deployment and maintenance of the infrastructure for Mainland China and Hong Kong
- CI/CD planning and implementation, as a DevOps in charge of defining good practices in deployment and coding styles
- IoT integration with 3rd party hardware providers
- Setting up Kubernetes Platform on AWS (EKS and Bare installation on EC2)
- Installation and maintenance of monitoring applications (Grafana, Kibana, Elasticsearch, Filebeat), storage (Redis, Postgres, Cassandra) and messaging (Kafka, MQTT)

Remote Software Engineer & IoT Specialist   Jun 2018 - Oct 2020
Cereb Intelligence, Hong Kong

- Managed and simplified the applications build and release process by using docker technology which drastically reduced build errors and deployment time
- Planned the architecture for scalable and high availability services infrastructure with AWS EKS, Kafka and Node.js
- IoT hardware integration authored and maintained several backend services integrating 3rd party API (Lifesmart, Softhard.io, Salto Access, SMS gateway, DingTalk, Telegram Bot, Slack Bot)
- Enhanced and maintained the infrastructure through monitoring and reporting
- Improved the CI/CD cost and speed migrating from Bitbucket Pipelines to hosted Jenkins
- Remote support for the more than 1000 devices connected

CONTACT

- Hong Kong (remote ok)
- +852 6435-6936
- me@acevedomiguel.com
- linkedin.com/in/acevedomiguel

LANGUAGES

- Spanish
- English
- Japanese (N5)

SKILLS

DevOps
- AWS Services
- Github Actions
- BitBucket Pipelines
- Jenkins
- Kubernetes
- Docker
- ELK Stack
- Open Search
- Serverless

Programming
- Javascript (Node.js)
- Typescript
- Go
- PHP
- Python

Frontend
- React.js
- Next.js

EDUCATION

University of Buenos Aires
Computer Engineering
Buenos Aires, Argentina – 2008

Senior Software Engineer
Feb 2019 - Nov 2019

Urban Spring, Hong Kong

- Contribute to the IoT data specifications (MQTT messages and DB Schema)
- Coded the tool for device provisioning to AWS IoT Core (Things, Certificates, Policies, and Shadow) with Python
- Infrastructure as code, Kubernetes deployment with terraform in AWS
- Provided mentoring to junior developers
- Firmware code review from 3rd party developers (C - C++) for STM32

Product Architect
Nov 2016 - Jan 2018

LYNK, Hong Kong

- Mentored and guided junior and new members of the development team
- Implemented Scrum to improve the team output, manage developers and resources, establish good software practices
- Design and create optimised web applications in HTML5, CSS, and WebRTC to support the company's business needs which includes a Skype-like application for experts and clients consultations
- Worked independently and as a team in collaboration with other departments in establishing their needs for their business goals
- Contributing to overall business development with regular meetings with management and aligning goals with the CTO and CEO

CTO and Co-Founder
Jan 2009 - Dec 2015

Kaizen Interactive, Argentina

- Created an original Social CRM platform that serves as an interface for clients' applications usage, users demographics, and reporting
- Managed all stages of promotional applications' creations for clients, from initial design and architecture to development, deployment, and management. Completed a total of 40 projects, serving more than 200.000 users online
- Worked directly with clients in different countries, Argentina, Mexico, Chile, Spain, and France
- Managed project tasks, timelines, and communication with several freelance developers and designers
- Demonstrated the ability to work diligently under pressure to meet deadlines

Remote Mobile Programmer
Jan 2012 - Dec 2012

Gravity Makers, Argentina

- Trained in Symbian and Qt
- Designed for and tested mobile applications across multiple devices
- Successfully adapted and thrived in a fast-paced work environment with rapidly changing goals

Team Leader and ActionScript Expert
May 2007 - Feb 2009

United Virtualities, Argentina

- Successfully served as lead project manager of three developers
- Responsible for overall web project management from development to execution and maintenance

Team Leader and ActionScript Programmer
Aug 2004 - May 2007

E-volution, Argentina

- Trained and supervised multiple team members for new arrival technology
- Worked with the program managers on designing site architecture, user interfaces, and the overall look and feel of the applications
- Created "The bubble machine" game which won a "Diente de Oro 2005" for innovation being a game playable with the webcam
- Develop and localise several online games, mainly for Disney Latin America.

Programmer and Server Administrator
May 2003 - Aug 2004

Marketing Plus, Argentina

- Develop a horse racing game simulator using actual racing data, integrating the game with the internal system of the racing course in Buenos Aires.
- Created Dynamic Websites that were user-friendly, effective, and appealing to more than 12 clients

Web Developer Intern
Nov 2001 - May 2003

Gauchito Maquinas y Herramientas, Argentina

- Acquired an in-depth familiarisation with CNC and electronics
- Create custom web-based UI applications for products and stock management based on department needs and functionality
- Setup the e-commerce and online quotation system