

# Andrei Candale

Generalist, with a passion for systems design, who led and contributed to the modernization of the technology stack of two merging companies.

## Work Experience

### Legentic

Head of Platform | Jan 2022 - Current

- Designed and led the migration from three different cloud providers into AWS, Kubernetes (kOps then EKS), using IaC
- Designed, led and heavily contributed to a year-long migration of the core business projects, greatly reducing risk for the business, increasing performance by 10x and driving cost down by 20%, while still serving our customers without fail
- Created a framework for cross-team analytics on core business data and insights into customer performance, driving informed decisions for internal teams and product development using Clickhouse
- Designed and contributed to a microservice-based crawling system that flexibly combines browsers, proxies and related technologies that fetched more than 120 million pages monthly with a success rate of more than 95%
- Acted as a driving force for improvements in developer experience (tooling and practices), knowledge-sharing programs and adoption of new technologies reducing operational cost by up to 80%
- Initiated and led knowledge-sharing programs within the technology department, fostering continuous learning.

Team lead | Apr 2020 - Jan 2022

- Worked together with my team to enhance the product's suitability for customers by implementing RBAC, improving scalability, and addressing other critical requirements
- Led the move to containerization across all projects, increasing deployment efficiency and system robustness.
- Enabled tight integrations with partners by developing HTTP APIs

### Brightmaven

Team lead | Sep 2016 - Apr 2020

- Developed the product from an MVP to a fully fledged system
- Enabled greater data yields by transforming the scraping operation into a distributed system
- Replaced existing data pipelines to allow better scalability, flexibility and easier hire and on-boarding
- Initiated and driven technical improvement programs that resulted in better performance for my colleagues
- Architected and developed the product's business data layer on top of Cassandra and Elasticsearch to enable the growing complexity of customers' searches

## Spyhce

Python Developer | Nov 2014 - Sep 2016

Designed and implemented web applications using open source components present in the Python ecosystem. Aside from regular day to day development duties, I actively took part in long term onboarding and mentoring initiatives involving fellow colleagues, while also organising and promoting the in-company technical community, increasing exposure to new technologies and methodologies

## Yonder

Progress ABL Developer | Nov 2013 - Nov 2014

Developed and maintained Progress ABL projects while serving as point of contact with the Netherlands-based customer. Responsibilities included developing new features, writing and testing Java SOAP services, developing C# Windows Forms and automating various tasks using Python scripts.

## Education

Babeş-Bolyai University, Cluj-Napoca, Bachelors Computer Science | 2012- 2015

## Skills

**Programming Languages:** Python, Javascript, C

**Databases:** Clickhouse, Elasticsearch, DynamoDB, Cassandra, Postgres, Redis

**DevOps:** AWS, Docker, Kubernetes, Rancher, kubecost

**Scripting/tooling:** Bash scripting, Git, GNU/Linux

**Infrastructure (as Code):** AWS, CloudFormation, CDK, Terraform

**Frameworks:** Django, DRF, FastAPI, Airflow, Scrapy

**Languages:** Romanian - native, English - fluent

## Personal interests

- Passionate about home automation and embedded programming. Built the hardware infrastructure and put together the software to automate parts of my home.