Andrei Candale

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

Work Experience

Head of Platform | Legentic | 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 an analytics framework, using Clickhouse, over core business and customer performance, driving informed decisions for internal teams and product development
- Designed and developed 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%
- Advised leadership and consulted product and data teams, while mentoring and training engineers
- Initiated and led knowledge-sharing/gaining programs within the technology department

Team lead | Legentic | 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

Team lead | Brightmaven | 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

Python Developer | Spyhce | Nov 2014 - Sep 2016
- Designed and implemented web applications using open source components present in the Python ecosystem.
- 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

Progress ABL Developer | Yonder | Nov 2012 - Nov 2015
- 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

Bachelors Computer Science | Babeş-Bolyai University, Cluj-Napoca | Nov 2013 - Nov 2015

Skills

Programming Languages: Python, Javascript, C
Databases: Clickhouse, Elasticsearch, DynamoDB, 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.