Career Summary

I have been working as an independent developer, consultant, contractor and freelancer since 2005, and I was working as a developer even during my studies (2002 - 2007). After finishing my education, I was working with various clients as a frontend/backend developer, team leader, technical consultant, manager and CTO. I was also a co-founder of three startup companies (two software houses, one IoT/automation). While at first I was focused mostly on the PHP and PHP ecosystem, around 2014 I started working also with other languages, mostly Javascript based (both frontend and backend), mobile (Objective-C, Swift, Cordova, Titanium, NativeScript, Flutter). Since 2017 i have focused on cloud based technologies (AWS, Azure, GCP, but also Salesforce Development or short period on IBM Cloud) and IoT. I was working not only on web project, but also on projects integrating custom made hardware with software.

Experience Summary

In last 4 years I have been working with:

- Javascript (currently node v10 and v12), Flow and Typescript
- Python 3.6+ (only development of microservices on AWS lambda or using FastAPI)
- PHP5-7 along with Symfony Framework, to quickly and rapidly create simple internal company tools
- Objective-C, Swift (creating and supporting small tools working in macOS environment)
- Cloud solutions: AWS (certified), Azure, GCP (with IaaC using terraform)
- Development of payment and business solutions with Salesforce and FInancialForce platform
- Virtualization/infrastructure: Docker, VMWare vSphere (with IaaC using terraform)
- CI/CD: gitlab, drone.io, bitbucket pipelines, jenkins, pm2
- DBs and storage/index systems: DynamoDB, Firestore, MySQL, PostgreSQL, MongoDB, Amazon S3, Google Cloud Storage, Elasticsearch
- Certification:
    - AWS Certified Solution Architect – Associate (2018)
    - AWS Certified Solution Developer - Associate (2020)

Education

2002 - 2007 - Master of Science, specialization Computer Systems, Silesian University of Technology

Professional Experience (2015-2021)

1. **Accenture. Senior Cloud Developer, Devops engineer, Associate Manager**
   Time Period: 8/2017 to present.

Up to 2020, my main responsibility was to develop one of the largest projects in the company. Project goal was to create platform which handles multi-cloud infrastructure inventory, including cost calculation and optimization and security scan of existing infrastructure and implying security policy. Technologies I was working with:
Node v8/v10, Flow, Python 2.7/3.6+, AWS Lambda, AWS Gateway, S3, DynamoDB, Elasticsearch, AWS Fargate, AWS SNS, AWS IAM, GCP IAM, Azure RBAC and AD.

In 2020 I started working with a research group focused on integrating various enterprise-grade tools into the multi-cloud client ecosystem. That includes work on investigation tools main features, finding ways to protect created environments and integrating tools with client offering.
Technologies I was working with:
Node v10, Flow, AWS Lambda, AWS Gateway, S3, DynamoDB, Terraform, AWS Fargate,AWS EC2, Azure Instances, GCP Instances, GCP Kubernetes Clusters, VMWare VSphere (with Terraform), enterprise solutions for Kubernetes.

2. **Roche / Genentech, Backend Developer, Devops Engineer. Solution Architect**
   Time Period: 2/2016 to 1/2021

Gene presenting application - As a main backend developer and architect, I was working on an SPA application responsible for presenting gene data in a way helpful for researchers. Application is very mature and developed for over 5 years now. During that time, I was asked for an opinion how to improve its performance, improve functionalities and adapt to more modern technologies.

Main technologies used for this project:

Node.js (v4 - v12), Mongo DB, Oracle, Postgresql, SQlite, AngularJS (v1.5), React, Elasticsearch, ExpressJS, Typescript

Data search platform - I was responsible for designing, developing and supporting a platform dedicated to search gene data and metadata which was collected from many different data sources (flat files, databases, external REST services). Key role was to design a very performant system on indexing and exposing such data for other application owners. Project evolved from on-premise environment to cloud environment duplicated in multiple regions to increase access performance.
Technologies included:
Node.js (v10, v12), AWS Lambda, S3, Oracle, Mongo DB, ExpressJS, NestJS, oauth/jwt handlers, Gitlab (CI/CD), Terraform

Development on Arvados Platform - Arvados is an open source platform for managing, processing and sharing large scientific and biomedical data. My responsibility was to design multiple complex workflows to calculate and retrieve biomedical data using on-premise clusters, parallel algorithms. Technologies used:

Arvados Platform, CWL, Python, Docker, Bash, multiple scientific tools (commercial and non-commercial)

MacOS USB Monitoring security tools - my responsibility was to create a macOS daemon tool responsible for monitoring and logging activity related to connecting external USB devices. Software was responsible also for communicating to users any limitations which has been applied (i.e. mounting external devices as read only), as well as allowing company administrators to implement exception policies. Tool was integrated with JAMF policies and macOS notification system, to work in the most efficient way.

Technologies used: Swift

3. **Surgecloud Sp z o.o., Developer, Devops Engineer. Solution Architect**
   Time Period: 1/2013 to 12/2020

Startup company I was involved with for last couple of years. In early years the startup was involved in development marketing technology based on user data collected from shopping malls with usage of iBeacon technology. After Apple and Google changes in policy, startup changed their product offering and focused on delivering technology which allows company clients to create autonomous worker-free convenience stores with usage of RFID technology. I have also been involved with the company as a main architect, and I was managing a team of developers, creating company procedures, creating technological strategy and choosing business partners (I was responsible for migration from Azure to GCP).

I have also designed and created internal company tools created responsible for budget handling (and reporting efficiency to investors), timesheet handling as well as integrating with the accounting system.

Technologies used:
PHP/Symfony (internal tools), Node.js v10, v12 (Typescript), Azure, GCP Platform (Kubernetes, Firebase, GCP Storage/Azure Blob Storage, Azure/GCP Functions, Azure Search/Elasticsearch), Python 3.8+

4. **Clorce Sp z o.o., Salesforce Developer, Consultant, Architect**
   Time Period: 1/2019 to 12/2019

Short experience with Salesforce Platform for few of the company clients. I've created a financial system responsible for calculating and collection of monthly installments for Educational Institution (University), created devops software to handle Salesforce platform updates, created Salesforce - AWS integration to extend Salesforce Platform capabilities. Clorce is a company which was created from another company called Redexperts, which I was also a Co-Founder.