Philipp Gillé - Résumé

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Contents

Overview

- Software engineer
    - Backend, Java, C#, ... (see Hard skills for more)
- Living in Leipzig, Germany
- Speaking fluent English and German, some French
- Willing to relocate or work remotely
    - Some cities I'd like to work in: San Francisco / Bay Area, Dubai, Singapore, Perth
- Willing to work full- or part-time, as well as contract work
- Preferring to work in either agile startups or innovative subsidiaries / departments of corporations

CV in chronological order

1. Born 1987-06-15 in Göttingen, Germany
2. School:
    1. Primary school: 1993 - 1999
    2. Secondary school (Gymnasium): 1999 - 2006; advanced courses: *math and physics*
3. Basic military service: 2006-07 - 2007-06
    1. Boot camp: EloKaBtl 912, Nienburg (Weser), Germany
    2. Main unit: EloKaBtl 932, Frankenberg (Eder), Germany
4. Training / apprenticeship: 2007-08 - 2010-01
    - In several subsidiaries of Bertelsmann AG, Gütersloh, Germany
    - In combination with the private school "b.i.b." in Paderborn, Germany
    - *"Computer Science Expert, Subject Area: Software Development"*
5. Traveling abroad: 2010-02 - 2010-07
    - Backpacking around Australia
6. University: 2010-09 - 2013-12
    - Hamburg University of Applied Sciences (HAW Hamburg)

- *Applied Computer Science*
- Bachelor's thesis: "*A study about data exchange in mobile environments*"
  - Compared SOAP, REST, OData, Binary Protocols (Apache Thrift) and Backend-as-a-Service

7. Work:
   1. During university from 2013-03 to 2013-12:
      - Student employee at Sunato Gmbh
      - *Developing mobile apps (Windows Store, Windows Phone)*
   2. 2014-01 - present:
      - Software engineer at Apinauten GmbH
        - *Developing Enterprise-Backend-as-a-Service in Java*
        - *Developing client SDKs in Java (Android) and C# (Xamarin)*
        - *Developing connectors to existing legacy systems*
        - *Project work (backends for customer-specific webapps)*

Hard skills

Technologies, programming languages, frameworks, libraries, tools, ...

In **alphabetical order**.

Professional

- Agile software development, Scrum
- Continuous Integration / Continuous Deployment
  - (Jenkins, Travis CI, AppVeyor)
- C# (6), .NET, Mono, .NET Core, LINQ
- Docker, Docker Swarm clusters
- Git
- IDEs: Eclipse, MonoDevelop, Visual Studio, Visual Studio Code
- Java (8), Java Streams
- Linux command line
- RESTful APIs / Backends

Intermediary

- Amazon Alexa Skill Development in Java
- AppImage creation (universal Linux packages, similar to Snap and Flatpak)
- Bash scripts
- Bitcoin and Blockchains, Lightning Network
- Chocolatey package creation (Windows packages)
- Cloud services:
  - Amazon AWS EC2, EBS, Lambda
  - Microsoft Azure VM, App Service, Functions, Cognitive Services
  - AppHarbor (PaaS)
  - mLab (MongoDB DBaaS)
  - VM hosting providers: Scaleway, Hetzner Cloud
- Consul (service registry and key-value store)
- Go / Golang

- Inno Setup (Windows installer creator)
- Linux Server management
- Microservice architecture
- MongoDB
- NoSQL in general
- Snap creation (Linux packages)
- SQL (MS SQL, Oracle SQL, MySQL, PostgreSQL, SQLite)
- Twilio Voice and SMS

Beginner

- Apache Batik (Java SVG library)
- Apache Thrift (binary protocol similar to Google Protocol Buffers)
- ASP.NET Web API (by far the most popular web framework for C#/.NET)
- BitcoinJ (Java library for interacting with the Bitcoin blockchain)
- Blockchain smart contracts in general
- Erlang (programming language for highly scalable distributed high-availability systems)
- gRPC (RPC framework by Google)
- Homebrew package creation (macOS packages)
- Kubernetes (container orchestrator)
- Machine Learning / Deep Learning in general
- Other databases (mainly from work on my side project gokv):
  - Embedded databases for Go / Golang: BadgerDB, bbolt / BoltDB), LevelDB / goleveldb
  - Distributed key-value stores: Apache ZooKeeper, etcd, Redis
  - Distributed caches: Memcached, Hazelcast
  - Cloud: Amazon DynamoDB, Amazon S3, Azure Table Storage, Google Cloud Datastore, Alibaba Cloud Table Store
  - "NewSQL": CockroachDB
- Windows PowerShell

Soft skills

- High attention to detail
- Putting quality over quantity with the ability to compromise (i.e. not hardcore perfectionist)
- Teamwork, enabling colleagues to be more productive with sharing my knowledge
- Adapting habits to be more productive
- INTJ / INTP personality (Myers-Briggs)
- Optimistic towards the future
- Moderately liberal (regarding economy *and* society), cosmopolitan, globalist, borderless, progressive, futuristic thinking

  - > Note: Don't read too much into this! People seem to have vastly different understandings of some of these terms.

- Technology maximalist
- Seeing potential for optimization and automation

Notable side projects

Under active development

- ln-paywall
  - Go middleware for setting up a paywall for an API, payable via the Lightning Network
- lightning.ws
  - A web service with an API that's payable via the Lightning Network / a demo deployment of ln-paywall, including a web frontend
  - Open source: GitHub
- gokv
  - A Go package that contains an abstraction for key-value stores and multiple interface implementations (Redis, Consul, etcd, bbolt, BadgerDB, LevelDB, Memcached, DynamoDB, S3, PostgreSQL, MongoDB, CockroachDB and many more)
- sms.trade
  - Service for trading Bitcoin on Kraken and Coinbase via SMS
  - ASP.NET Web API, C#, running on AppHarbor PaaS, using mLab MongoDB DBaaS
  - ⚠ Currently rewriting from scratch in Go

Previous or low priority projects

- hello-netcoreapp
  - Full-blown project template / boilerplate for Open Source .NET Core console applications
- Blockchain Explorer as Amazon Alexa Skill
  - Open source: GitHub
- boltwall.com
  - Website for the "umbrella" for ln-paywall, lightning.ws and future related projects
- ApiOmat SDK Go and ApiOmat CLI
  - Go SDK and CLI for managing and interacting with ApiOmat servers
- serve
  - A simple static file server for sharing local files with colleagues
  - Packages for Windows (Scoop and Chocolatey), macOS (Homebrew) and Linux (Snap)
    - E.g. https://snapcraft.io/serve
- Windows Store app for discovering and reading *TL;DR*s on tldr.io (website down / taken over)