**Till Knuesting**

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**Profile**

Experienced back-end developer with over five years of experience offering quality code. When I take on a project, I always keep clear communication with my clients, and always deliver on time, and on budget. I have a history of executing with high satisfaction.

**Skills**

**Languages:** Go, Python, Dart

**Tools:** Git,Kubernetes, AWS, Google App Engine, HTML, CSS,Docker, gRCP, Grafana, Prometheus.

**Knowledge:** Service Oriented Architecture, Data Structures, Design Patterns, TDD, MVC, REST

**Go libraries I like:** Echo, Gin, Testify, NATS, Zap, Badger, Go-Kit

**Highlights**

* Porting monolithic applications to a Microservices architecture.
* Experience working with Docker to improve Continuous Delivery framework to streamline releases.
* Extensive experience in all phases of Software Development Life Cycle with emphasis in Design, Developing, Implementation, Deployment, and Support of distributed enterprise scalable, secure and transactional J2EE applications.
* In-depth experience in AWS using EC2, Volume, and Snapshot management, AWS DynamoDB, SS3, RDS, VPC, Route 53, Elastic Beanstalk, and IAM services.
* Demonstrated the ability to work under tight deadlines and in high pressure situations.
* Designed, developed, and optimized landing pages in HTML5/CSS to support company’s marketing and promotional needs, which includes Salesforce integration and cross-browser compatibility.
* Develop UI and back-end logic to enhance user experience.
* Increase daily traffic by incorporating SEO best practices.
* Extensive API experience in creating and consuming RESTful and SOAP services.

**Work Experience**

July 2013 - Present **Freelance backend developer / Consultant**

Providing consultancy and implementation of modern web applications to meet the needs of high traffic and ensure continuous delivery. Ensuring quality finished websites including the validation of web forms and links. Adept at assessing technical details while providing significant technical contributions. Recognized for personal tenacity, strong work ethic, and articulate communication style that encourages associates to act decisively toward a common goal.

* Porting monolithic applications to a Microservices architecture.
* Writing Microservices in Go or Python to provide REST and Protocol Buffers API’s.
* Performance optimization of Python applications with Cython to execute computation in parallel where it’s necessary.
* Porting Python applications to run concurrent using Gevent and Greenthreads.
* Designing and implementation of complete MVC application in Golang, Echo, MySQL and Docker.
* Custom engineered code per client requirements by implementing best coding practices (SOLID and AGILE)
* Experience deploying Service-based micro services.
* Involved in Project Estimation, delegation, planning, and execution process.
* Hands on experience with GO Lang and it’s built in concurrency features such as go-routines, channels, and select statement
* Experience developing applications consuming data from 3rd party API’s and providing data to Front-End applications.
* Experience working with relational databases such as SQL, PostgreSQL, MySQL and non-relation databases such as MongoDB and Redis.

**Education**

Sept 2018 – present

Birkbeck, University of London - Computing

Sept 2016 - April 2017

University of Konstanz - Information Engineering

July 2012

FWS Ravensburg, Germany

Allgemeine Hochschulreife (A levels equivalent)

*Englisch, Maths, History, German, History of Art, Russian, Biology, Geography*