{Michał Lech}

Senior Full Stack Engineer

https://michallech.info/
michal@michallech.info
+48 783 739 040

I am open to consulting opportunities as well as long-term projects or employment in the areas of software architecture, tech leadership, backend, frontend development, data analysis, machine learning. The ideal position would leverage my extensive experience, software architecture knowledge, detail-oriented approach and excellent communication skills.

Experience

RooTXNET
Jan 2009 – Mar 2024

Team Leader, Software Architect — Białystok, Poland

Managed a dedicated team of 7 software engineers for client's projects, designed various APIs and development / deployment configurations, performed CR, created and enforced SOPs, done hiring and marketing.

Gave lectures on advanced Python programming in finance.

Worked on a number of commercial projects dealing with Machine Learning, data analysis, financial data aggregation and processing.

Worked on a Python/Go/React/Electron based crypto trading platform, implemented: charting, FIX/REST API connectivity with exchanges, automated trading strategies, trading bot management platform, latency optimizations, QA.

Took part in building core functionality for a corporate expense management / payment card provider (Emburse) – integrations with banking institutions via Plaid, account management, transaction feeds, automated demo deployments, CRM integrations

Python | Django | Django Rest Framework | Airflow | React / React Native | AngularJS / Angular | Docker / Kubernetes | Machine Learning | AWS

LaterPay GmbH
Oct 2013 – Oct 2015

Senior Software Developer — Munich, Germany - Remote

Built software components used in financial transactions with emphasis on scalability and performance. Worked on API design and web security. Took part in hiring process and rigorous code review sessions.

Python | Django | Tornado | Celery | Redis | Cassandra | PostgreSQL | Django Rest Framework | Sphinx

Modasphere
Mar 2012 – Mar 2013

Software Developer — Los Angeles, CA - Remote

Worked on expanding e-commerce capabilities, integrated payment processors with internal billing system. Created a Python based API to communicate with external invoicing software. Designed multiple Bash and Django management tools to deal with big data related tasks.

Python | Django | CORBA | Celery | jQuery

Sportup.tv
Jan 2011 – Dec 2013

Web Developer — Warsaw, Poland - Remote

Created real-time social networking functionality, implemented web layout, administrative area. Implemented architectural changes to optimize performance and improve scaling, maintained cloud based architecture.

Python | Django | Celery | MongoDB | jQuery

Infokioski.pl
Feb 2009 – Nov 2012

Software Developer — Białystok, Poland

Did research, co-implemented and optimized Machine Learning algorithms used to recognize user gestures on big format touch screens.

Designed, created and implemented enterprise class Digital Signage solution with strong emphasis on stability and security. Customers have access to remote real-time monitoring, administrative console, Active Directory management, grouping, scripting and automatic updates of all connected devices.

Python | Django | jQuery | C++ | C#

Experience

4GClinical
Nov 2015 – Jan 2018

Senior Software Engineer — Boston, MA - Remote

While working with team of scientists, designed and developed proof of concept of randomization and clinical trial supply management software (RTSM) under very tight schedule.

Created software and infrastructure architecture while working with domain experts, enabling rapid start of final product development.

Adjusted and maintained scalable infrastructure and software architecture, relying on application containerization, SOA patterns and clean API design enabling software evolution in Agile workflow.

Designed robust and secure permission and authorization system resilient to patient unblinding and other security concerns, implemented rigorous and efficient auditing mechanisms, worked on ensuring system's compliance with FDA regulations.

Created web based clinical trial specification editor, designed real time communication workflow with underlying asynchronous, event-oriented backend using WebSockets and Celery/Redis cluster.

Python | Django | jQuery | Celery | AngularJS | Docker | AWS | Django Rest Framework | NLTK

Education

Warsaw University of Technology
2012 – 2014

Electronics and Computer Engineering (Bachelor's degree)

Białystok University of Technology
2006 – 2009

Computer Science (Engineer's degree)

Courses

Application design using UML
Java programming
Java programming (SCJP)
...(multiple EDX, Coursera, Udacity online courses)

Skills

Transferrable skills

Remote working | Agile | Kanban | Scrum | Software Architecture | Team Leadership

Tools

JIRA | Jenkins | ELK | Docker | AWS | Kubernetes | TerraForm | CloudFormation

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