

Maks Yarchak (<http://maks.us/>)

cv@maks.us (<mailto:cv@maks.us>) | [www.Maks.us](http://www.maks.us) (<http://www.maks.us>) |[Download CV \(PDF\) \[./statics/Maks_Y_Senior_Full_Stack_Software_Engineer_CV.pdf\]](#)[Linkedin](https://www.linkedin.com/in/maksus/) (<https://www.linkedin.com/in/maksus/>)

Staff / Senior Full Stack Software Engineer in Boston MA with 24 years of experience

Objective

Staff Software Engineer with 24+ years building scalable, AI-enhanced applications. Expert in integrating cutting-edge AI/ML tools (OpenAI API, Claude, AI agents, MCP, Copilot, LLM, Ollama) with cloud-native platforms (AWS, GCP, Kubernetes, Kafka). Proven leader architecting high-performance systems with Python, Django, while leading cross-functional engineering teams.

🔗 Knowledge / Skills

Back-end development

- **AI Tools** (Claude code, Codex, Copilot, OpenAI API, Claude, AI agents, MCP, Prompt Engineering, ChatGPT, Llama, Ollama, Stable Diffusion)
- **Cloud** AWS, GCP, DigitalOcean, CI / CD pipelines
- **Python** (Flask, Django, gunicorn, SQLAlchemy, job queues, workers)
- **Ruby on Rails** (unicorn, puma, sidekiq)
- Design and build **APIs**, Single sign-on (SSO), System Integrations
- **PHP** (OOP, Patterns, Queue, **UnitTest**, **Composer**)
- **MySQL**, **PostgreSQL**, **MongoDB**, **MSSQL**, design high performance DB
- **Redis**, **Memcached**, Multithreaded applications
- **GIT**, **GitHub** - version control system, Bug Tracking
- **Cursor**, VSCode, PyCharm, JetBrains IDEs
- **Full life cycle** application development
- **Staff Engineer**, **Team Leadership**, Project management
- **Kanban**, **Scrum**, **Agile**
- **OS**: macOS, Linux, Windows

Infrastructure development

- **Linux server**, **Kubernetes**, **Docker**, **Kafka**, Bash, SSH, DNS, Apache, Nginx, PostgreSQL, MySQL, Redis, Elasticsearch, Clusters, Load Balancing, backup, monitoring, scale

Front-end development

- **HTML**, **CSS**, W3C, XML, XSL, W3C
- **Twitter Bootstrap**, Responsive HTML, Mobile web application
- **JavaScript**, **ReactJS**, AJAX, jQuery, D3js
- **NodeJS**, NPM, webpack, modern build tools

Big Data

- Big Data Processing and Analytics
- Basic machine learning

Extra Skills

- **AI/ML**: LLM, Ollama, LM Studio, OpenAI, Claude
- **Search Engine Optimization**: (on-page, off-page), webmaster tools, Google Analytics
- **Basic graphic web design** (UI, UX)

📁 Experience

24 Years : e-commerce Social networks back-end OOP MVC CMS PHP MySQL HTML CSS JavaScript UI UX 18 Years : Linux Web Servers jQuery

15 Years : Amazon AWS cloud HTML CSS Ruby on Rails Python, Django 14 Years : DigitalOcean cloud Twitter Bootstrap ReactJS 12 Years : Docker

8 Years : Kubernetes Kafka 4 Years : AI/ML Tools LLM GCP Terraform

Wayfair

Sep 2019 - Jan 2026

Staff / Sr. Software Engineer

Architecture, team leader, full stack development

GCP, Terraform, Python, Docker, Kubernetes, Kafka, PHP

CMT

Nov 2016 - July 2019

(telematics industry)
Senior Software Engineer.

Back-end development

(Python Django) in AWS cloud

Front-end development

(HTML, CSS, JS)

Study AI / NN / DL / ML

Jun 2016 - Nov 2016

Artificial Intelligence, Neural networks, Deep Learning, Machine Learning

(Python) in AWS Cloud and DigitalOcean cloud

RallyPoint

Jun 2015 - Jun 2016

(Social network industry)
Sr. Software Developer

Back-end development

(Ruby on Rails) in AWS cloud

Front-end development

(HTML, CSS, JS)

United Domains Inc

Oct 2010 - May 2015

(Domain name industry)
Sr. Web developer

Back-end development

(php/mysql/PHPUnit testing, Continuous Integration)

Front-end development

Early Career Experience

Jan 2002 - Sep 2010

Web Developer & Team Leader
Multiple Organizations

Foundation in Full-Stack Development

Built foundation in web development across diverse industries including education, consulting, design studios, and news media. Led development teams, architected databases (MySQL), and delivered 50+ web applications using PHP, JavaScript, HTML/CSS.

Notable roles: Approach (Education), TMU (Consulting/Team Lead), Web Design

(UI, UX, HTML, CSS, JS, AngularJS, jQuery, BackboneJS)

Studios, Interfax-West (News Agency/Team Lead), Freelance Developer

Education

Harvard University

📅 2026
🌐 CSCI E-222 (<https://courses.dce.harvard.edu/?details&srcdb=202602&crn=27040>)
📁 AI, Machine Learning, Large Language Models (LLMs)

Yale University

📅 2024 🌐 Yale University (<http://www.yale.edu/>)
📁 Financial Markets / Risk Management

Zend Framework Advanced Training and Zend PHP 5.3 certificate

📅 2011 - 2013 🌐 <http://www.zend.com> (index.html#)
📁 Web Development

Harvard University

📅 2010 - 2011
🌐 <http://www.harvard.edu/> (<http://www.harvard.edu/>)
📁 Web Development, Building dynamic web applications, Building mobile applications for Android, iPhone, Web

BS University

📅 2005 - 2006 📁 Engineering
Master's degree in engineering

BS University

📅 2001-2005 📁 Engineering
Bachelor's degree in engineering

Portfolio

Wayfair

my role: Staff / Sr. Software Engineer. At Wayfair, I led engineering efforts on logistics systems, focusing on ML models data pipelines and infrastructure. I ensured that all systems operated reliably, delivering on business expectations and performance. **frontend, backend, data pipeline for AI/ML models, AWS, GCP, Kubernetes, Kafka**
(<https://www.wayfair.com> (<https://www.wayfair.com>))

CMT

my role: Sr. Software Engineer. I was working on company private B2B Web systems. **Python**
(<https://www.cmtelematics.com>)
(<https://www.cmtelematics.com>)

RallyPoint

my role: Sr. Software Engineer. I was working with **Ruby on Rails** application
<https://www.rallypoint.com>
(<https://www.rallypoint.com>) (military social network)

United Domains Front-End AngularJS application

my role: **AngularJS** Front-end JavaScript application which is building shopping cart, search result and it does multi connection search by back-end application. (I've used also HTML, CSS, Bootstrap3, jQuery, JavaScript) domain search
(<https://www.uniteddomains.com/searchresult/?domain=test-domains-search>)

United Domains

my role: HTML, CSS, Bootstrap3, jQuery, JavaScript, **AngularJS**, AJAX, BackboneJS, implementation different APIs, **E-commerce, Shopping Cart** | Architecture database, PHP5, MySQL application, Smarty templates
<http://www.uniteddomains.com>
(<http://www.uniteddomains.com/>)

Approach

my role: Graphic design | xHtml, CSS coding, jQuery, JavaScript | Architecture database, PHP 5, MySQL application | Smarty templates, mod_rewrite | All URLs are dynamic, back-end
<http://approachusa.com> (<http://approachusa.com/>)