

Michael Enger

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Experience

Senior Software Engineer, The Orchard – 2019 - Present

The Orchard provides music and video distribution services for music labels and artists. I've worked on a series of projects within their distribution portal related to calculating royalties for artists. The projects consists of a Python micro-services running in AWS, React-based frontend applications, and using GraphQL to communicate between them. The actual calculations are done on a separate ETL process running in an AWS Lambda that connects to a Snowflake table and generates XLS reports and PDF documents.
Tech: Python, Flask, SQL, SQLAlchemy, TypeScript, GraphQL, AWS, Docker, Terraform

Software Engineer, TIDAL – 2016 - 2019

TIDAL is a music streaming service, known for their curated content and high quality audio playback. My position was to work on the desktop application which was built on Electron and includes a C++ audio playback engine that provides playback via Core Audio on macOS and WASAPI on Windows. The audio engine provides decoding of all the supported audio formats, gapless playback, and exclusive control of USB audio devices.
Tech: C++, FLAC, TypeScript, Python, Electron

Web Developer, Dekode – 2014 - 2015

Dekode is a WordPress development agency working with local clients and on WordPress VIP sites together with Automaticc. I mainly worked on new and existing WordPress sites, building and maintaining their custom themes and plugins.
Tech: PHP, JavaScript, MySQL, WordPress

Backend Developer, Fronter AS – 2014

Fronter is a company which provides a platform for schools and universities, which includes lesson plans, assignment hand-in, and social features. I was on a small team which was developing a lesson planner in Node.js using Elasticsearch as a data store, all hosted on scalable AWS infrastructure.
Tech: JavaScript, Node.js, Elasticsearch, AWS, Ansible, Vagrant, Jenkins

Web Developer, Nodes Agency – 2012 - 2013

Nodes Agency is a consultancy building promotional projects for mobile and web. My work consisted of mostly backend work on smaller apps for customers, but with some work on video processing pipelines and mobile experiences.
Tech: PHP, JavaScript, MySQL, Objective-C, FFmpeg

Web Developer, 07 Web – 2010 - 2012

07 Web is a web consultancy specialising in online magazines. I worked on pages created using the eZ Publish platform.
Tech: PHP, JavaScript, MySQL, eZ Publish

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Education

City University London; London, England – Computer Games Technology MSc, 2016
Universitet i Oslo; Oslo, Norway – Computer Science Bachelor, 2009

Projects

swifter - github.com/httpswift/swifter

Tiny HTTP server engine built as a library for Swift projects. I joined the project last year and have been involved in the latest release doing bug fixes and approving merge requests.

Tech: Swift

brage - github.com/michaelenger/Brage

Command-line tool for generating static websites based on Markdown and Go text templates, built to help me easier create and manage websites for the various bands and artists I help promote.

Tech: Go

giff - github.com/michaelenger/giff

Tiny command-line tool used for fetching gif images from gfycat.com. It can take any text as a search term and returns a URL to a random gif based on it, or one of the trending gifs from Gfycat's front page. It also keeps track of what gifs you have already seen so that you avoid seeing the same one twice.

Tech: Rust