

Scott Stunkel

Hands-on Software Engineering Leader



+ CONTACT

Name

Scott Stunkel



Mail



Address

12 Heritage Way
Marblehead, MA 01945

LinkedIn

[linkedin.com/in/scott-stunkel-46059521](https://www.linkedin.com/in/scott-stunkel-46059521)

+ SKILLS

PRIMARY SKILLS

Skills that I have done recent, extensive work in and have good, off-the-cuff knowledge about -

Scala, Node.JS, Kubernetes (Helm), Docker, (Rook) Ceph, Minio, Docker Compose, ECMAScript 6/7, Apache Spark 3.X, Git, Go, AWS, Elasticsearch, MongoDB, NGINX

SECONDARY SKILLS

Skills that I've worked with in the past, that I would have little trouble diving into again if given a little time to get up to speed -

Python, Django, PHP, Puppet, Vagrant, PostgreSQL, Redis, Ember, React, Redux, Tableau, Spotfire, Azure, Google Cloud Platform, Shell Scripting

CURRENTLY RESEARCHING

Rust

+ INTERESTS

I have a commercial pilot's license and love flying! I also build computers in my spare time.

+ EXPERIENCE

ASSOC. VICE PRESIDENT ENGINEERING / DOTMATICS

JAN 2022 - PRESENT / BOSTON, MA

Dotmatics is a family of best-in-class software tools for scientific research, alongside a data platform for organizing and managing the data. I am currently managing the data aggregation platform team, as well as a scientific instrument acquisition product team called BioBright.

As part of my work, I

- Manage a team of 25 engineers and 4 managers
- Defined the future data management strategy for Dotmatics

SENIOR ENGINEERING MANAGER / PERKINELMER

SEPT 2015 - JAN 2022 / WALTHAM, MA

PerkinElmer is a 4.3-billion-dollar-a-year software, equipment, reagent, and services company that services both the healthcare and research space. I worked in the Informatics department as a leader on the Signals informatics products

As part of my work, I

- Scaled my team from two software engineers and one QA engineer to 12 software engineers and 4 QA engineers.
- Grew the Signals Data Factory project from scratch to be the key technological platform component in products that earn over 10 million dollars annually.
- Architected the main data transformation pipeline using **Apache Spark**, including high-speed data indexing from Spark to Elasticsearch.
- Wrote **Node.JS** and **Scala** microservices to perform critical services to the platform, such as search, job scheduling, and data retrieval.
- Worked heavily with **Elasticsearch** to define both our platform Search API and data model (within ES).
- Spearheaded transition of services to running inside Docker containers for ease of running both in development and in production, and later helped with the transition to running **Kubernetes** clusters using Helm, Ceph.
- Won company awards for my customer-facing efforts as part of deals with Bristol-Meyers Squibb, GlaxoSmithKline and Loxo Oncology.
- Was promoted four time and won 3 awards at PerkinElmer.

CHIEF TECHNOLOGY OFFICER / ANDOVER EDUCATION

OCT 2013 - SEP 2015 / WESTPORT,

Andover Education was an education services and test preparation company, with running projects at three of the top ten school districts in the US.

As part of my work, I

- Designed, constructed, managed, and delivered a wholly new and unique education technology tool, Fulcrum, which allows teachers to easily find teaching content related to their subject area (the project has since been discontinued).
- Migrated all company web services to a mix of Amazon Web Services and Microsoft Azure.
- Implemented Fulcrum using the latest version of Ember.JS for the frontend and Python/Django for the backend - personally participated in coding both parts.
- Developed secondary testing platform using open-source PHP project Moodle as a base.
- Was the team lead of a team of four software engineers.

OTHER EXPERIENCE - FOR MORE INFORMATION PLEASE SEE LINKEDIN

AP COMPUTER SCIENCE TEACHER / CHICAGO INTL CHARTER SCHOOLS

AUG 2010-OCT 2013 / CHICAGO, IL

FLIGHT INSTRUCTOR / PURDUE UNIVERSITY

AUG 2007-MAY 2008 / WEST LAFAYETTE, IN

INFORMATION TECHNOLOGY ANALYST / RAD AND ASSOCIATES

APR 1999 - AUG 2010 (PART TIME/CONSULTING) / LAKE FOREST, IL

+ EDUCATION

MASTER OF SCIENCE IN EDUCATION / NORTHWESTERN UNIVERSITY

AUG 2008 - AUG 2010 / EVANSTON,

Master's Thesis Topic - Strategies for Implementing Computer-Based Testing in Social Studies Classrooms

BACHELOR OF SCIENCE IN TECHNOLOGY / PURDUE

AUG 2003 - MAY 2008 / WEST LAFAYETTE,

Major - Professional Flight Technology (Commercial Flying)