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DEVELOPMENT

ARCHITECTURE

.NET Distributed Systems Architecture - 5h30m
Creating N-Tier Applications in C#, Part1 - 2h
Creating N-Tier Applications in C#, Part2 - 1h40m
Building End-to-End Multi-Client Service Oriented Applications - 11h43m
Patterns for Building Distributed Systems for the Enterprise - 4h17m
Microservices Architecture – 2h 22m

REST

REST Fundamentals - 2h59m
Five Essential Tools for Building REST APIs – 2h 56m

ACTOR BASED ARCHITECTURE

Building Concurrent Applications with the Actor Model in Akka.NET - 3h 23m
Implementing Logging and Dependency Injection in Akka.NET - 1h 25m
Akka.NET Persistence Fundamentals – 1h 40m

MESSAGE BASED ARCHITECTURE

RabbitMQ for .NET Developers - Part 1 – 2h 41m
RabbitMQ for .NET Developers - Part 2 – 3h 38m
Scaling Applications with Microservices, MassTransit, and RabbitMQ – 1h 53m
Scaling Applications with Microservices and NServiceBus – 3h 13m
https://app.pluralsight.com/library/courses/microservices-nservicebus-scaling-applications

ENTERPRISE ARCHITECTURE

Understanding Enterprise Architecture - 4h 3m

MANAGEMENT

Software Process Management – 3h 43m

UNIT TEST

Testing .NET Code with xUnit.net 2 – 2h 39m
Better .NET Unit Tests with AutoFixture: Get Started – 1h 58m
Better Unit Test Assertions with Shouldly – 1h 32m
Approval Tests for .NET – 2h 34m
Business Readable Automated Tests with SpecFlow 2.0 – 3h 33m

AZURE

Windows Azure: The Big Picture - 1h 23m
Architecting Azure Solutions (70-534): Design an Advanced Application - 1h 40m

AWS

AWS Developer Fundamentals – 4h 26m

.NET

Event Tracing for Windows (ETW) in .NET - 2h47m
CLR Threading - 2h37m
Modern Structured Logging with Serilog and Seq – 2h10m

C# Language Internals - Part 1 – 5h10m
C# Language Internals - Part 2 – 4h38m
Introduction to WF 4 – 2h33m
.NET Internals and Advanced Debugging Techniques – 4h 56m

ASP.NET

New Features in ASP.NET 4.5 - 4h29m
ASP.NET Core 1.0 Fundamentals – 5h 15m
Using OAuth to Secure Your ASP.NET API – 3h 52m

GIT

Introduction to Git – 1h
https://app.pluralsight.com/library/courses/introduction-to-git/table-of-contents
Using Gitflow - 1h 4m

POWERSHELL

Introduction to PowerShell – 2h41m
The Case for PowerShell – 1h17m

DATA + BI

SQL Server: Introduction to Extended Events – 5h
SQL Server: Advanced Extended Events – 4h14m
Introduction to BrightstarDB – 1h41m
Data Science & Hadoop Workflows at Scale With Scalding – 2h 08m
Analysis Services Fundamentals – 6h 31m
SQL Server Continuous Database Delivery with Flyway – 6h 25m
Cassandra for Developers – 3h 27m
Getting Started with Hazelcast – 1h 50m
https://app.pluralsight.com/library/courses/hazelcast-getting-started/table-of-contents

LINUX

Red Hat Enterprise Linux Shell Fundamentals – 2h 11m
Red Hat Enterprise Linux Shell Scripting Fundamentals – 2h 35m
Red Hat Enterprise Linux 6 Booting and Runlevels – 3h 12m
Red Hat Enterprise Linux Storage Fundamentals – 6h 33m
Security Enhanced Linux (SELinux) Fundamentals – 2h 09m

GAMEDEV

Quick Start to Unity: Volume 1 - 1h 30m
Quick Start to Unity: Volume 2 - 43m
Quick Start to Unity: Volume 3 - 1h 03m
Introduction to C# in Unity 3.5 - 2h 48m
Unreal Engine C++ Developer: Learn C++ and Make Video Games – 48h 30m
https://www.udemy.com/course/unrealcourse/

WINDOWS

Windows Internals – 6h 47m
Windows Internals 2 – 7h 30m
Windows Internals 3 – 5h 16m

IIS

IIS for Developers – 1h 46

Log Parser Fundamentals – 3h 43m
Introduction to IIS Certificates – 44m
Extending IIS 7.5 with Modules and Handlers – 2h 47m
Web Farms for Developers – 47m
URL Rewrite for Developers – 4h

FRONT-END

HTML Fundamentals – 2h 13m
HTML5 Fundamentals – 3h 56m
HTML5 Advanced Topics – 2h 45m
Introduction to CSS – 2h 9m
CSS3 in Depth – 6h 10
Building a Web Application with Polymer.js and Material Design – 2h 5m
Webpack Fundamentals – 2h 23m
https://app.pluralsight.com/library/courses/webpack-fundamentals/table-of-contents

JAVASCRIPT

JavaScript Fundamentals – 2h 53m
JavaScript Design Patterns – 2h 2m
Structuring JavaScript Code – 2h 10m
NestJS Zero to Hero - Modern TypeScript Back-end - 6h 30m
https://www.udemy.com/course/nestjs-zero-to-hero
Getting Started with Redux - 2h
https://egghead.io/courses/getting-started-with-redux

jQuery Fundamentals – 5h 18m
Babel: Get Started – 2h 03m
Hardcore Functional Programming in JavaScript – 6h 3m

JAVASCRIPT + REACT

React.js: Getting Started – 1h 29m
Building Applications with React and Flux – 5h 08m
Mastering React Testing with Jest – 1h 57m

ALM + DEVOPS

TFS Build 2015: First Look – 1h 42m
Integrating Docker with DevOps Automated Workflows – 1h 01m
Designing Immutable Infrastructure with Packer – 2h 02m
Getting Started with Ansible on Windows – 1h 23m

OTHERS

Date and Time Fundamentals - 6h19m
Implementing Feature Toggles in .NET with FeatureToggle – 1h32m
Visual Studio 2015: A First Look at the IDE – 1h 35m
Picturing Architecture: UML (The Good Bits) and More – 1h 2m

DOCKER + KUBERNETES

MANAGING CONTAINERS WITH DOCKER

https://app.pluralsight.com/paths/skills/managing-containers-with-docker

Docker and Kubernetes: The Big Picture - 1h 47m
https://app.pluralsight.com/library/courses/docker-kubernetes-big-picture

Getting Started with Docker - 2h 12m
https://app.pluralsight.com/library/courses/docker-getting-started

CERTIFIED KUBERNETES ADMINISTRATOR

https://app.pluralsight.com/paths/certificate/certified-kubernetes-administrator

Getting Started with Kubernetes - 2h 53m
https://app.pluralsight.com/library/courses/getting-started-kubernetes

Kubernetes Installation and Configuration Fundamentals - 2h 37m
https://app.pluralsight.com/library/courses/kubernetes-installation-configuration-fundamentals

Managing the Kubernetes API Server and Pods - 3h 9m
https://app.pluralsight.com/library/courses/managing-kubernetes-api-server-pods

C++

Beautiful C++: STL Algorithms – 4h 24m
High-performance Computing in C++ - 4h 03m
Introduction to the Boost C++ Libraries - 2h 56m
Accelerated Introduction to C++ - 5h 17m
Modern C++ Libraries – 4h 1m
SQLite with Modern C++ - 2h 33m
Design Patterns in C++: Creational – 4h 12m
Design Patterns in C++: Structural - Façade to Proxy – 1h 46m

APACHE CAMEL

Introduction to Integration With Apache Camel – 4h 44m

SCALA

Scala: Getting Started – 2m 01m
Play! 2 for Scala – 1h 37m

MACHINE LEARNING

BUILDING DEEP LEARNING SOLUTIONS WITH PYTORCH

https://app.pluralsight.com/paths/skills/building-deep-learning-solutions-with-pytorch

Foundations of PyTorch - 2h 51m
https://app.pluralsight.com/library/courses/foundations-pytorch

Building Your First PyTorch Solution - 2h 24m
https://app.pluralsight.com/library/courses/building-your-first-pytorch-solution

Using PyTorch in the Cloud: PyTorch Playbook - 2h 21m
https://app.pluralsight.com/library/courses/using-pytorch-in-the-cloud-playbook

Image Classification with PyTorch - 3h 4m
https://app.pluralsight.com/library/courses/image-classification-pytorch

COURSERA

DATA SCIENCE SPECIALIZATION

JOHNS HOPKINS UNIVERSITY
https://www.coursera.org/specializations/jhu-data-science

The Data Scientist's Toolbox – 16h
Certificate:
R Programming – 16h
Certificate: https://www.coursera.org/account/accomplishments/records/GS9RVUZHW9VE
Getting and Cleaning Data – 16h
Certificate: https://www.coursera.org/account/accomplishments/records/82N3XHZCGB4G
Regression Models
Certificate: https://www.coursera.org/account/accomplishments/records/XZR8P7L277DV
Developing Data Products
Certificate: https://www.coursera.org/account/accomplishments/records/6H2MQWZE9UR2
Practical Machine Learning
Certificate: https://www.coursera.org/account/accomplishments/records/3LQ674UGJNGM
Statistical Inference
Certificate: https://www.coursera.org/account/accomplishments/records/E3ERJ3UQEQ2W
Reproducible Research
Certificate: https://www.coursera.org/account/accomplishments/records/JVTGQZWVJ5P3
Exploratory Data Analysis
Certificate: https://www.coursera.org/account/accomplishments/records/HZT8MUJT7RXN

CAREER READINESS SPECIALIZATION BY UNIVERSITY OF CALIFORNIA, IRVINE (100% COMPLETE)

Project Management: The Basics for Success – 4h
Certificate:
Work Smarter, Not Harder: Time Management for Personal & Professional Productivity - 4h
Certificate:
Finance for Non-Financial Professionals - 4h
Certificate:
Communication in the 21st Century Workplace - 4h
Certificate:
High-Impact Business Writing - 4h
Certificate: https://www.coursera.org/account/accomplishments/records/R5DXYVAFD28Y
The Art of Negotiation – 4h
Certificate: https://www.coursera.org/account/accomplishments/records/6Z8NYZANY6MC
Fundamentals of Management – 4h
Certificate: https://www.coursera.org/account/accomplishments/records/AWYCSH3JQLHV
Effective Problem-Solving and Decision-Making – 4h
Certificate: https://www.coursera.org/account/accomplishments/records/SAPJJS49DUET
Essentials of Entrepreneurship: Thinking & Action – 4h
Certificate: https://www.coursera.org/account/accomplishments/records/5CFBQ4GVJQCG

SOFTWARE PRODUCT MANAGEMENT SPECIALIZATION (15% COMPLETE)

Introduction to Software Product Management – 4h
Certificate: https://www.coursera.org/account/accomplishments/records/WNV98MBP86QE

DATA STRUCTURES AND ALGORITHMS SPECIALIZATION

UNIVERSITY OF CALIFORNIA SAN DIEGO
https://www.coursera.org/specializations/data-structures-algorithms

Algorithmic Toolbox
Certificate: https://www.coursera.org/account/accomplishments/records/LAQVESFEACBG
Data Structures
Certificate: https://www.coursera.org/account/accomplishments/records/LYTV8VEFNXFJ
Divide and Conquer, Sorting and Searching, and Randomized Algorithms
Certificate: https://www.coursera.org/account/accomplishments/records/A53KJYUPMHN7
Algorithms on Graphs
Certificate: https://www.coursera.org/account/accomplishments/records/A828F3XY3P2M

OTHER COURSES

Coding the Matrix: Linear Algebra through Computer Science Applications – 70h
Mathematical Methods for Quantitative Finance – 8h
Mathematics for Machine Learning: Linear Algebra -
https://www.coursera.org/learn/linear-algebra-machine-learning/home/welcome
Computer Vision Basics
https://www.coursera.org/learn/computer-vision-basics/home/welcome
Image Processing, Features & Segmentation
https://www.coursera.org/learn/computervision-imageprocessing/home/welcome

EDX

MICROMASTERS® PROGRAM IN ARTIFICIAL INTELLIGENCE

Columbia University (NY)
https://www.edx.org/micromasters/columbiax-artificial-intelligence
https://credentials.edx.org/credentials/a8390c2f6d3548aeb6a6e3dbd63866dc/

CSMM.101x: Artificial Intelligence (AI)
https://courses.edx.org/certificates/bcbd4609cf9043279dde660c7985da75
CSMM.102x: Machine Learning
https://courses.edx.org/certificates/3c13bd9735074aba95ee3a8dbbd9ea4d
CSMM.103x: Robotics
https://courses.edx.org/certificates/4b5d9291c5364a5dad8049348533ea1e
CSMM.104x: Animation and CGI Motion

https://courses.edx.org/certificates/864975b2deb84bf6b445ee66d05f035f

DATASTAX ACADEMY

CASSANDRA

DS101: Introduction to Apache Cassandra – 30m
https://academy.datastax.com/courses/ds101-introduction-cassandra

FINANCE

ASWATH DAMODARAN

Valuation – 27h
Corporate Finance – 33h
Investment – 10h

WALL STREET TRAINING

Basic Concepts – Introduction to Finance ("Finance 101") – 2h

CFA – SCHEWEZER´S COURSE

CFA Level I - Premium Plus Package

MATH

MIT OPENCOURSEWARE

1801 – Single Variable Calculus

N. J. WILDBERGER

Math History: A Course in the History of Mathematics – 28h
Math Foundations – 56h
Algebraic Topology – 29h

EVENTS

USER! 2016 INTERNATIONAL R USER CONFERENCE

Videos