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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

HTML5 Fundamentals – 2h 13mHTML5 Fundamentals – 3h 56mHTML5 Advanced Topics – 2h 45mIntroduction to CSS – 2h 9mCSS3 in Depth – 6h 10Building a Web Application with Polymer.js and Material Design – 2h 5mWebpack Fundamentals – 2h 23mhttps://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/picturing-architecture-uml/table-of-contents 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

Style Transfer with PyTorch - 1h 49m

https://app.pluralsight.com/library/courses/style-transfer-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-cass and rail of the control of the co

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