

Scott Kerr

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WORK HISTORY

Senior Software Engineer at Crestron Electronics

November 2009 - October 2024 (15 Years) Rockleigh, New Jersey

- Primary Developer of Android and Angular front end UIs displayed in corporate spaces
- Redis JSON database used
- Used Typescript and JavaScript with CSS, Tailwind, Bootstrap and JQuery
- Cypress used for testing
- React was used, for demos and prototypes
- Docker used for Linux shells
- Provided full screen and window HLS streaming video on 4K Android displays
- Enabled applications to dynamically support localization of over 20 LTR and RTL languages
- Provided custom UIs and widgets for controlling audio, video, lighting and HVAC systems
- Worked in-house as well as remote collaboration with global teams
- Scripting automation including Jenkins, Python and Gradle for CI CD build servers
- Dynamic testing of web applications using Cypress
- Documentation using chart programs, Visio and Figma
- Agile workflow using Jira
- Version control using Git

Software Engineer at Mercedes Benz North America

January 2005 - November 2009 (5 Years) Montvale, New Jersey

- Architected and implemented interactive xml and server based signage showing product images, features and specifications using high end graphics and animation displayed in dealership showrooms
- Created CBT applications for training and testing dealers about new cars and features
- Rendering of cars from CAD files using Maya and 3D Max that were used in signage and training

Web Developer at Changing a Generation

July 2011 - September 2018 (7.5 Years) Seattle, Washington

- PHP driven website with MySQL and PayPal donation services
- Included Google SEO and analytics.

Contract Developer at Various Agencies

June 2003 - December 2005 (2.5 Years) Northern New Jersey

- Worked for various agencies programming Multi-media and web applications
- Produced video animations for companies such as Maxell

Software Engineer at Clark & Associates

May 1998 - June 2003 (5.5 Years) Somerville, New Jersey

- Created ASP web based employee management system for Lucent that integrated with PeopleSoft and SAP backend.
- Created automated Office app using VBScript to allow medical charts to be created with Becton Dickenson products by sales personal while meeting with their clients.
- Using IIS, Oracle PL SQL and XML XSLT, I created a system for Ortho Biotech Johnson and Johnson that dynamically generated five unique websites based on product lines from which users could more easily find items to order. This involved ingesting repositories with stored procedures, and then outputting final formatted data through XLS templates to nightly generate various product line web catalogs.
- Using IIS, SQL-Server and ASP, I created an online application that allowed earnings estimates by KPMG Partners to automatically roll up their direct reports estimates by region, along with the sub reports included into the final UI charts

EDUCATION

Pratt Institute -

Attended 1976 - 1979

- Communication and Design (3 years studio courses, but did not complete degree)

Microsoft Certified Professional

May 2001

- Distributed Applications

REFERENCES

Available on request

SKILLS

- Angular, Angular Material 6 years
- RxJS, Nginx
- SCSS, CSS, Tailwind, Bootstrap

- React, 4 years
- C#, 6 years
- Web development, 18 years
- Asp.net Core, 2 years
- Active Server Pages 7 years
- HTML, 18 years
- Android 8 years
- Java (Programming Language), 6 years
- JavaScript (Programming Language), 12 years
- Docker
- JSON
- SQL, MySQL, PostgreSQL 6 years
- .NET Framework, 6 years
- AWS
- Python, Django
- PHP and some Laravel, Composer, 6 years
- Computer Animation, 6 years
- Adobe Photoshop, 20 years
- Agile Methodology, 6 years
- Git, SVN, Jenkins, CI/CD
- Amazon Web Services, 1 year
- Create database schema, 4 years
- Modern web frameworks, 12 years
- Maintain web application, 12 years
- Create web service, 12 years
- Use design patterns, 6 years
- User interface, 20 years
- Hypertext markup language (html), 20 years
- Cascading style sheets (CSS), 20 years
- Use relational database, 4 years
- Maintain website, 12 years
- Integrating web services, 12 years
- Unreal Engine, Unity, some Direct 3D
- Create website, 12 years