

RICHARD GRANT

Principal Software Engineer | Software Architect | Cloud Platform Engineer | AI Platform Engineer

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PROFESSIONAL SUMMARY

Having over 15 years of experience building, upgrading, and scaling enterprise software on various platforms like .NET, AWS, backend systems, CI/CD, containerized systems, and databases, I consider myself as an experienced Senior Software Engineer, architect, and cloud platform leader with immense skill in managing engineering teams, automating build pipelines, upgrading legacy systems making them secure and more dependable, and solving engineering-related peripheral issues with quick turnaround time. The desired job designations are Principal Software Engineer, Software Architect, Cloud Platform Engineer, DevOps Engineer, Platform Software Engineer, Distributed Systems Engineer, Senior Backend Engineer, Reliability Engineer, AI Platform Engineer, and AI Systems Engineer.

CORE COMPETENCIES

Software Architecture | Platform Development | Cloud Configuration | CI/CD and DevOps | Distributed Systems | Backend Engineering | Reliability Engineering | AI Software Development Life Cycle Automation | Legacy Systems Upgrade | Utilizing Linux Containers | System Patterns Architecture | Execution | Threat Defense and SOC 2 Regulation | Agile Development.

TECHNICAL SKILLS

Programming languages and backend: ASP.NET Core, .NET 6, .NET framework, C#, C++, Java, Python, Go, Node.js, Express.js, PHP, Perl, Ruby, VB.NET, ASP Classic, Shell/CMD, YAML, LINQ-To-SQL, GraphQL, REST APIs.

DevOps platforms and technologies: AWS ECS, ECR, EC2, S3, Lambda, EventBridge, SQS, API Gateway, DynamoDB, Route53, Elastic Beanstalk, LightSail, CodeDeploy, CodeCommit, CodeBuild, CodePipeline, Azure CI/CD, Azure AKS, Heroku, Docker, containers in Linux, ASG, load balancing.

Databases: MSSQL, T-SQL, MySQL, MySQLi, PostgreSQL, MongoDB, EF Core, Entity Framework, Dapper, stored procedures, query optimization.

Frontend tools: JavaScript, TypeScript, AngularJS, Angular 2-15 (various versions), React, JQuery, HTML5, Bootstrap, Material UI, NGRX/Store, Cypress, Jest, Xunit.

Security tools: Sonar, Veracode, TrustWave, Splunk, New Relic, CloudWatch, UptimeRobot, git, GitHub, Bitbucket, Bamboo, Atlassian, PowerBI, Claude, GPT.

PROFESSIONAL EXPERIENCE

MeshVI | Charlotte, NC / Remote | August 2023 - Present

Head of Engineering

- Managed a team of five engineers for various activities including the upgrade of the platform and planning cloud infrastructure.
- Updated the codebase and switched from deployment patterns that were reliant on IIS to more efficient cloud architecture using Linux Docker containers.
- Automated CI/CD deployment process to cut manual local builds and uploading artifacts in production.
- Ensured compliance in deployment by creating controls for the process in order to make it secure.
- Designed AWS cloud infrastructure using ECS, ECR, EventBridge, SQS, Lambda, API Gateway, Auto Scaling Groups and Load Balancing for horizontal scaling.
- Used AWS CloudWatch and UptimeRobot for monitoring of production environment for about 400 users on a daily basis.
- Established Cypress for end-to-end testing and integrated the quality control in the CI/CD process.
- Performed as the first point of contact on urgent issues and ensured completing of urgent tasks within defined two hour window.
- Trained other offshore developers and created technical diagrams and scheme for development of the project.

The following technologies were in use: .NET 6, EF Core 7, Ruby, Python 3, MSSQL, T-SQL, JavaScript, TypeScript, Angular 11, React, Docker, CI/CD YAML, AWS, Bitbucket, Sonar, Veracode, Splunk, New Relic, PowerBI, Claude, GPT.

Charles Schwab | Valencia, CA / Remote | January 2023 - August 2023

Senior Full Stack Software Engineer

- Participated in every stage of the software development process in the Investscope project, and directed the application from the backend side, through the frontend, and to the infrastructure and data delivery.
- Collaborated with Product Owners by gathering requirements, clarifying delivery standards, and showing the best practices of the architecture.
- Assisted infrastructure teams with debugging and improved data integrity by getting complete features into ownership from the moment they were invented to the moment they were delivered.
- Produced software that was ready for the regular deployment in the field of fintech by using .NET, Angular, MS SQL, CI/CD, and security scanning practices.

The following technologies were in use: .NET 6, EF Core 3, EF Core 7, XUnit, MSSQL, T-SQL, JavaScript, TypeScript, Angular 15, Sonar, Veracode, GitHub, CI/CD BuildScript, Atlassian, Bamboo.

Scorpion, LLC | Valencia, CA / Remote | June 2020 - January 2023

Lead Software Engineer

- Directed an 8-member senior engineering team in the development of a CRM application for the home service sector, including the team performance, application architecture, and product implementation.
- Collaborated with Product Owners and wrote an elaborate Software Requirement Specification using Gherkin language for the requirements, acceptance criteria, and delivery scope articulation.
- Demonstrated delivery of key modules of CRM, including Jobs, Tasks, and Billing, while maintaining architecture compliance across backend services and GraphQL, Angular, NGRX/Store, and SQL processes.
- Repeatedly landed as a top performer in Git Analytics, while the team excelled as one of the project's highest achievers.

Key technologies: .NET Core, GraphQL, MSSQL, T-SQL, JavaScript, TypeScript, Angular 11, NGRX/Store, GitHub.

Cass Information Technology Systems | Jacksonville, FL | June 2018 - June 2020

Senior Full Stack Software Engineer

- Held a key position in re-establishing and launching a CRM/ERP auditing system which had been stagnant before joining the company.
- Collaborated with a small group of two other employees and created a minimum viable product for internal CRM/ERP system within a year.
- Implemented feature development using AngularJS and gradually compounded the existing application from AngularJS to Angular 2 and then further evolved the technology to Angular 7.
- Worked on all the important systems in ASP.NET, .NET Framework, EF, Dapper, T-SQL, and Azure Kubernetes.

Technologies and Tools used: ASP Classic, ASP.NET, .NET Framework 4.5, Entity Framework, Dapper, T-SQL, AngularJS, Angular 7, Angular 8, Git, Azure AKS.

Plixer, LLC | Orlando, FL | June 2010 - June 2018

Lead - Freelancing

- Directed a global team of software developers, engineers, and security-oriented professionals who worked with clients from different parts of the USA and Canada.
- Created web-based applications for financial banking, casino services, AWS security, technical support, and custom platform development.
- Rescued a stalled project of a startup by developing a custom WP plug-in that made Dokan and WooCommerce work in an incompatible environment.
- Configured and supported AWS systems such as EC2, S3, Route53, and server environments, as well as Node.js services, MongoDB, Angularjs, Angular 2,7,8, JavaScript, TypeScript, and git.

Selected systems and links to the experience: playerportal.caldercasino.com, clubocean.oceandowns.com.

TruSun Media | Orlando, FL | August 2017 - June 2018

Programmer

- Ensured the ongoing development and maintenance for TruSun Media customer Seminole County Tax Collector along with the operation of both WordPress and AWS deployment processes.
- Fixed the bugs within the largest client's project of the company and provided maintenance for the application while the internal developers were concentrated on other projects.

Technologies: WordPress, PHP, ASP Classic, ASP.NET, Shell, SQL, HTML, JavaScript, Git, AWS Beanstalk, CodeDeploy, CodeCommit, CodeBuild, CodePipeline.

The Storage Group, Inc. | Orlando, FL / Hybrid | March 2016 - August 2017

Software Engineer II

- Acted as the lead developer on ClickAndStor v2 and multiple efforts for process improvement and automation across numerous departments.
- Created a REST API aggregator that standardized integrations with various API providers in the storage industry so that the product could work with more service providers without needing to create individual applications.
- Mitigated PCI and security problems by fixing glitches, and working with TrustWave and HackerGuardian to clear false positives after an event occurred with the hosting provider.
- Designed a scalable infrastructure that incorporated geolocation load balancing through the Eastern and Western USA and Southeast Asia, while in parallel automated processes for SSL certificate handling with cPanel and Namecheap APIs.
- Utilized various technologies in support of data scraping, lead intelligence, data Mining on server data, AWS Lambda, EC2, S3, WHM/cPanel, Python, Perl, Ruby, Shell, PHP.

Technologies: PHP, Python, Perl, Ruby, Shell, WHM/cPanel, AWS EC2, AWS S3, AWS Lambda, TrustWave, HackerGuardian, CentOS, ModSecurity, OWASP.

Infinisys | Orlando, FL | January 2015 - March 2016

Junior Software Engineer

- Functioned as the sole developer for a telecom firm, working in conjunction with Internet Service Providers.
- Created a network simulator that visually illustrated customer network performance at scale and improved the existing client portal while creating version 2.

Technologies used: PHP, Shell, MySQL, HTML, Bootstrap, JQuery, JavaScript, AWS EC2, AWS S3, AWS Route53.

PROJECTS

- LifeTomb: React and Flutter application supported by .NET backend engineering.
- Soly App: Flutter, .NET, and GraphQL application design and development project.

TECHNICAL ASSESSMENTS & RECOGNITION

- IKM TeckChek Core Skills Test - Software Engineer: Score 95, 97th percentile, October 2024.
- IKM TeckChek .NET C# / Angular 4/5/6/7 Full Stack Assessment: Score 81, July 2023.
- MeshVI Employee Spotlight recognition for winning the most kudos from the team for outstanding commitment to MeshVI values.