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| **Tom S. Gao**  Full-Stack Software Developer  Los Angeles, CA | Cell: (619)942-4433  Email: [mrtomgao@gmail.com](mailto:mrtomgao@gmail.com)  Website: [mrtomgao.github.io/hello](https://mrtomgao.github.io/hello) |

# Summary

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| **Hello!** I’m a Full-Stack Developer with over 15 years of experience in developing Client-Server Applications, Web Applications, SOAP/RESTful Web Services, Back-End Services, Databases, CI/CD Pipelines, Test Automation, and Enterprise Integration Solutions. I possess strong fundamental knowledge in Software Design Patterns, Best Practices, and Distributed Architecture. I also love Hiking, Traveling, and Unity Game Development. |

# Technical Competency

**Languages**  
C#, Golang, JavaScript, Python, PowerShell, Java, PHP, SQL, XML, HTML, CSS.

**Frameworks**  
WebAPI SOAP/REST, WCF, IPaaS (Mule, Informatica, BizTalk), Jenkins Pipeline, Node, Express, Serverless, Puppeteer/Mocha, Selenium, Sitecore, Android Studio, Flutter SDK, .NET Core, SQL Server, MySQL, Linux, Socket.IO, Unity.

**Cloud**  
Elastic Beanstalk, ECS, EC2, S3, Lambda, API Gateway, SQS, Kinesis, CloudFormation, RDS, Aurora. I also have experience w/ Azure and Mongo DB Atlas.

**Disciplines**  
MVC, SOA, Microservices, REST, Parallel Threading, Async Programming, Test-Driven, Factory Pattern, Dependency-Injection, Unit Testing, Batch processes & ETL, SQL: Stored Procedures, Views, Pivot Tables, Query Optimization.

**Productivity**  
Agile/Scrum, XP, Git, Jira, Confluence, Slack, Teams, MS Office, Adobe Photoshop, Illustrator, Blender.

# Experience

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| Sr. Software Engineer | *Feb 2020 - Present* |
| **Dine Brands**, Glendale CA   * Developed solutions for 3rd party integrations into our Restaurant Systems. This included Customer Loyalty, 3rd Party Fulfillment, Online Ordering, Payment Gateways, Pay-At-Table, and B.I. / Marketing. * Contributed to Design & Implementation of Enterprise Menu Management System for 3400+ Restaurants. * Lead development on a Disaster Recovery Solution which automated Restaurant Database Backups to AWS Glacier (Multipart Upload) during non-invasive early morning hours of stores. * Lead development on new DevOps pipeline for our Digital Products. This included the use of Docker containers to set up Jenkins Build & Test Agents, using Packer to create baked Machine Images, using CloudFormation to rapidly create Resources + Environments. Developed a GoLang console app which utilized the AWS SDK to automate all Sys. Admin processes including Blue/Green Canary deployment. * Lead development on integration of real-time Salesforce Webhooks for Restaurant Hours & Location, for our Digital Platform’s Microservices Architecture. * Worked on IPaaS project to decouple point-to-point integrations. Use of Mule DataWeave to map Schemas. Created custom Endpoints to handle complicated orchestrations involving Restaurants and 3rd parties relaying information to one another. * Worked on POC for use of Mocha/Puppeteer stack to handle automated browser testing for our Digital Products. (Previously it was a hybrid of Manual Testing + Selenium) * Hand coding PowerShell & Python scripts to deploy to Windows and Linux servers. | |
| Programmer Analyst 3, AVP | *Jun 2018 – Feb 2020* |
| **City National Bank**, Los Angeles CA   * Worked on solutions involving 3rd party integrations, Bill Payment, Credit Card Payment, International ACH, Client Rewards, Deposit Images, End-of-day Batch Processing, and Customer-Facing Interfaces. * Lead development on projects end-to-end, which included defining Business Rules, Acceptance Criteria, Technical Requirements, Time Estimation, Story Grooming, Architectural Documentation, and writing Unit Tests. * Lead Scrum Teams between 4-8 people, in collaboration with other teams to develop components of a larger cohesive system. * Guide Jr. Developers and Off-shore Contractors. This included assisting them with their Dev Environment, Helping them kick-off their Projects, and Code Reviews. | |
| Web Applications Developer | *Nov 2016 - March 2018* |
| **Extron**, Anaheim CA   * Created and helped support existing Web Applications for our Brand Website. This included Builders, Calculators, and Configuration tools which helped consumers spec & plan a purchase. * Lead Proof of Concept efforts for a redesign of our consumer facing Home Page. This involved a framework revamp from .NET Webforms to a MVC / WebAPI decoupled architecture. | |
| Web Developer | *Aug 2016 - Oct 2016* |
| **Illumina**, San Diego CA   * Contract job to create a new Employee Onboarding Web App. This included Progress Tracking, Interactive Clickable-Videos, Quiz, Completion Certificate Issuance, and SSO Integration. | |
| Applications Programmer | *Nov 2008 – May 2013* |
| **Henry M. Jackson Foundation**, San Diego CA   * Development and Support of an application written to provision DNA sequencing Run Analysis and Reporting for PCR, Virology, and Bacteriology. * Developed an intelligent data collection application which detected patterns in Light Cycler readings and automatically notified Lab Researchers. * Assisted in data collection/reporting with first discovery of H1N1 (Swine Flu) Pandemic case in USA. | |
| Web Developer | *Sep 2004 - Nov 2008* |
| **San Diego County Office of Education**, San Diego CA   * Developed and supported a Suite of Web-Based Online Learning Resources. This included design implementation of client-facing media experiences coded in ActionScript and ColdFusion. * Developed a CRM application which tracked Login, Access, and Client License Subscriptions. | |

# Education

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| Solutions Architect Associate SAA-C02 **Amazon Web Services Certification Program** | *May 2021* |
| Bachelor of Science Computer Information Systems, School of Business Administration  **California State Polytechnic University**, Pomona, CA | *Fall 2000 - Winter 2004* |
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