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About	**Senior Software Engineer** with 10+ years of experience & a background of building large-scale systems in global social networks, manufacturing & financial systems. Experience in system reliability, scalability, E2E architecture, UX and platform integrity. Located in the US (does **not** require visa sponsorship)
Experience	**Meta Platforms, Inc.**, Menlo Park, CA, US **Senior Software Engineer**, Aug 2021 – present. Integrity, Trust and Safety on Instagram, Facebook and Threads - Shipped new E2E rate limiting product for scripted posting of photo, video & stories on Instagram and Threads, protecting the platforms from **300 K daily** abusive posts, contributed to **$229 K/month savings** in proactive human review, & **$3 Million per year** in appeals. Shipped globally in June 2025 - Standardized **21 daily million** enforcements on Facebook, Instagram and Threads, adding them to False Positive metrics, unlocking analytics for 6 partner teams - Created a real-time reliability platform that monitors **300+ integrity and revenue-critical metrics** across Facebook, Instagram & Threads, driving **coverage and alert accuracy to 94.8% & 99%** respectively, while cutting false-positive volume by **69 %,** preventing 10+ measurement reliability SEVs - Drove modernization of human review infra, restoring **25 k** daily human reviews & resolving 4 measurement SEVs by migrating **370+** integrity signals & 15 renderers to a new rendering framework - Led cross-org unification program for Ads & Organic API human review traffic, boosting policy adherence from **0 %->98 %** (paid) and **98 %->100 %** (organic) and eliminating **24 k** daily erroneous reviews **Epicor Software Corporation**, Monterrey, Nuevo León, Mexico **Senior Software Developer**, Feb 2017 - Aug 2021. Custom Solutions Group, Worked on extending & adapting our base products to better fit the business requirements of customers in North & South America. - Shipped 5 medium to large integrations between ERP app servers in the cloud & a variety of third-party systems via OData (REST) v3 & v4. - Reduced execution time of mass update by 90% by porting business logic code from client to server, & by porting database access code from Entity Framework to stored procedures in native T-SQL - Delivered the 1st mobile dashboard solution of the Mexico branch, a responsive HTML5 client with C#/.NET on the backend - Developed 25 custom file formatters in C# for the ACH network & Positive Pay bank services - Managed total 6 engineers & architects in multiple projects in 2018 & 2019 (project management) **Infosys Ltd.**, Monterrey, Nuevo León, Mexico **Systems Engineer**, Jan 2013 to Feb 2015. Contractor for a Fortune 100 multinational banking & financial services corporation. Development, administration & support for a global trade finance application used mainly in North America & Asia - Coded & tested 7 new agents/batch-jobs & features in Java, C#, JavaScript & Windows Batch - Fixed 350 incidents, including code bugs, development of new features & data fixes
Skills & Tech	**Languages**: C#, JavaScript, TypeScript, Haskell, LINQ, Python, Java, (T-)SQL, HTML, Bash/UNIX Shell Scripting, PHP, Hack **Data/Databases**: SQL Server, Oracle, XML, JSON, MySQL, SQLite, YAML **Technologies**: .NET 4.8, OData v3/v4 REST, WCF/RPC, Entity Framework 6, LINQ to Entities, LINQ to XML, Infragistics, Epicor Internet Component Environment (ICE SDK & ICE Tools), Java, Epicor ERP
Education	**Master of Information Engineering in Computer Science**, 2015, Autonomous University of Nuevo León - Bachelor of Engineering in Mechatronics, 2012, Autonomous University of Nuevo León, graduated with honors