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NOLAN CORCORAN

Senior Full Stack Engineer

PROFESSIONAL SUMMARY

Productive and dependable Full-Stack Engineer with 10+ years experience developing robust and scalable web and mobile applications for start-up teams, SMB's and large enterprises. Expertise in front-end and back-end development, database management, and cloud deployment. Strong problem-solving skills and a proven track record of delivering high-quality software solutions both individually and as part of a team. Committed to continuous learning and staying updated with emerging technologies.

EMPLOYMENT HISTORY

SENIOR FULL STACK SOFTWARE ENGINEER   Aug 2023 - Jan 2025
Prominent

- Built web and mobile frontends with **Vue.js**, **React.js**, and/or **Flutter**, boosting user engagement and application performance.
- Developed backends using **.NET** and **Entity Framework**, improving data integrity with **PostgreSQL** and **MySQL** on **Amazon RDS**.
- Deployed applications with **CloudFormation** or **AWS CDK**, enhancing scalability on standardized 3-Tier **AWS**architecture.
- Automated CI/CD pipelines via **GitLab** or **GitHub runners**, reducing deployment time using **CloudFront** and **Route 53**.
- Designed role-based access control with **IAM** and **Cognito**, ensuring secure client-server communication and resource management.
- Utilized **AWS Lambda**, **EventBridge**, and **SQS**, streamlining event-driven workflows and improving application responsiveness.
- Stored assets on **Amazon S3** and integrated AWS services via SDKs, enabling seamless functionality and scalable storage solutions.

SENIOR CLOUD ENGINEER   Nov 2022 - Mar 2023
RapDev.io

- Designed client-specific monitoring solutions with **Datadog**, boosting system insights and efficiency.
- Automated Datadog deployments with **Terraform** and **Ansible**, enhancing resource management.
- Created custom dashboards for performance analysis, optimizing application health and resource use.
- Analyzed performance to enhance application efficiency and resource use.
- Optimized resource allocation and improved application performance through strategic troubleshooting.
- Worked with teams to refine log management, alerting, and incident response.

CLOUD TECHNICAL SOLUTIONS ENGINEER, PLATFORM   Apr 2020 - Nov 2022
Google

- Diagnosed and resolved customer issues on **Google Cloud Platform (GCP)** services, using tools like **Cloud Logging**and **Error Reporting**.
- Built investigation tools with **Python**, **Go**, and **BigQuery**, boosting productivity in resolving GCP product issues.
- Analyzed and reproduced issues on GCP services like **Compute Engine**, **Cloud Storage**, and **Kubernetes Engine** to identify root causes.
- Improved troubleshooting speed by creating scripts and workflows leveraging **Cloud Functions** and **Cloud Monitoring**.
- Consulted engineering, sales, and customer teams to resolve technical deployment challenges with **Cloud Run** and **Cloud Pub/Sub**.
- Acted as a subject matter expert, optimizing GCP service adoption and deployment strategies for internal stakeholders.

FREELANCE SOFTWARE CONSULTANT   Jan 2021 - May 2022
Seth Cooper

- Developed a full-stack cloud application with **React** for web admins and **Flutter** for iOS/Android, enabling role-based interfaces.
- Designed a **GCP cloud architecture** with **Firestore**, **Cloud Functions**, and **Cloud Storage** for secure role-based access.
- Integrated **AutoML Vision** for image processing, enhancing app functionality with scalable machine learning capabilities.
- Enabled seamless multi-platform access by leveraging **Identity Platform** and **Firebase Authentication** for user management.

SENIOR CLOUD ENGINEER   Jul 2017 - Apr 2020
Oracle

♦ Led a team of 3 engineers in the design and development of scalable web and mobile POC applications, cloud solution demonstrations, and hands-on cloud computing workshops that resulted in measurable client adoption of **Oracle Cloud (OCI)** platform services and furthered cross-organizational collaboration
♦ Designed and implemented **RESTful** and **serverless microservices** to support front-end functionality and integration with third-party systems
♦ Collaborated with account managers and cloud architects to translate requirements into technical specifications and deliver high-quality solutions.

Achievements:

♦ Recognized as the **Q1-Q2 exceptional employee** of the Austin team in FY18
♦ Created an **innovative retail-industry solution** consisting of a **real-time product detection mobile application feature** with AR interactivity which was adopted by a major retail store

SOFTWARE ENGINEER   May 2015 - Jan 2017
Center for Identity

♦ Contributed to the design of an **ensemble classifier** that identifies trusted disease surveillance sources using user data from several social media sites
♦ Contributed to the time series and network visualizations for the front-end interface via **Angular**
♦ Contributed to the migration of the backend to the **Flask** web framework
♦ Designed algorithms that score reliability of social media users on the basis of authority, reputation, expertise, and experience

EDUCATION

BS IN ELECTRICAL AND COMPUTER ENGINEERING   Aug 2012 - May 2017
University of Texas at Austin   *Austin, TX*

♦ Primary Core – Software Engineering & Design
♦ Secondary Core – Computer Architecture & Embedded Systems
♦ Business Foundations Certificate, McCombs School of Business
♦ 3.00 GPA

SKILLS

Flutter *(Experienced)*, React *(Expert)*, HTML5 *(Expert)*, CSS3 *(Expert)*, TailwindCSS *(Experienced)*, Angular *(Skillful)*, Vue.js *(Expert)*, Node.js *(Experienced)*, Express.js *(Experienced)*, .NET *(Experienced)*, Flask *(Experienced)*, Django *(Skillful)*, Gin *(Skillful)*, Spring Boot *(Skillful)*, GCP *(Experienced)*, Firebase *(Experienced)*, AWS *(Expert)*, Amplify *(Skillful)*, Azure *(Skillful)*, Datadog *(Experienced)*, Oracle *(Experienced)*, OCI *(Experienced)*, JavaScript *(Expert)*, TypeScript *(Expert)*, Python *(Expert)*, Dart *(Experienced)*, Golang *(Skillful)*, C# *(Experienced)*, Java *(Skillful)*, MySQL *(Experienced)*, PostgreSQL *(Experienced)*, MongoDB *(Skillful)*, Firestore *(Experienced)*, Redis *(Skillful)*, Spark *(Beginner)*, PySpark *(Beginner)*, MLlib *(Beginner)*, Hadoop *(Beginner)*, Scikit-Learn *(Beginner)*, Pandas *(Skillful)*, Jupyter *(Skillful)*, R *(Beginner)*, Docker *(Expert)*, Kubernetes *(Experienced)*, Terraform *(Experienced)*, Jenkins *(Skillful)*, Jest *(Skillful)*, Cypress *(Skillful)*, Ansible *(Skillful)*, Entity Framework *(Experienced)*, Agile Development *(Expert)*, Serverless *(Experienced)*, Microservices *(Experienced)*, GraphQL *(Skillful)*, Event-Driven Architecture *(Experienced)*, CI/CD *(Experienced)*, GitHub *(Expert)*, GitLab *(Experienced)*, GitHub Actions *(Experienced)*.

LINKS

GitHub: github.com, LinkedIn: www.linkedin.com, Portfolio: nolancorcoran.dev, Website: nolan-corcoran.com.

REFERENCES

Kyle Kapsch, Prominent *(kyle.kapsch@goprominent.com, +1 (701) 220-8929)*;

Subhash Vanga, AWS *(subhash.vanga@gmail.com, +1 (703) 328-0316)*;

Hamza Jahangir, Oracle *(j.hamza@gmail.com, +1 (703) 943-9369)*;

Paul Miller, Google *(millerhoo@yahoo.com, +1 (512) 775-5144)*;

Chris Cyr, Sterling Computers *(christocyr@gmail.com, +1 (321) 423-0277)*.