

NICOLAS CAPRA

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Experienced technology consultant with background in full-stack, backend, cloud, and mobile development - enthusiastic about learning with interests in data management, web and mobile applications, securities trading, business intelligence, and investments.

EXPERIENCE

Software Developer IV, Charter Communications (Spectrum) *September 2023 – Present*

- Develop and maintain a variety of Java Spring Boot applications in a microservice architecture
 - REST API services
 - Message-driven services using Kafka and SQS
 - Cron job services
- Work in a variety of databases including MongoDB, Elasticsearch, OpenSearch, and SQL
- Manage deployment of our services in the AWS cloud using Kubernetes and Helm
- Help mentor and onboard new team members as we grow rapidly

Developer, Self-employed (Hoshii) *January 2023 – Present*

- Develop Java Spring Boot backend for a greenfield multi-platform web application
- Design database structure and create within a PostgreSQL DB using Flyway for automatic updates
- Create mobile-first frontend experience within the Flutter framework
- Deploy applications to the Apple App Store and the Google Play Store as well as on desktop as a web application

Senior Technology Consultant, Credera *August 2020 – December 2022*

- Led a team of junior developers to deliver a very high-value Java Spring Boot scheduled application to our client
- Led Android app development within team to deliver new features and updated UI
- Helped a client achieve PCI compliance for AWS infrastructure using CloudFormation policies and third-party scanners
- Served as sole-resource for client to develop urgent updates for Microsoft Dynamics CRM within a tight timeframe
- Quickly onboarded into new clients and technology stacks to deliver quality solutions
- Contributed to Credera's growth and culture through involvement in campus recruiting and Denver Startup Week

Technology Intern Program, Capital One *June 2019 – August 2019*

- Developed an application alongside full-time team of engineers, learned, and utilized AWS platform to deploy

Technology Consultant, Freelance *January 2018 – Present*

- Coordinate email blasts in Mailchimp, a marketing automation program, and maintain client information in Salesforce
- Update websites, including a full overhaul and new theming in WordPress
- Migrate email platforms and work directly with customers on issues they are facing

NOTEWORTHY PROJECTS

Reference Design Kit for Broadband

To help the company reduce reliance on vendors and to expand capabilities for customization and delivery, we are working on a new platform to manage millions of modems located at customer locations. To communicate with the modems, we are using MQTT and web sockets and have a separate layer to handle transactions. We are also designing the system such that it can directly integrate with our existing cloud platform to improve customer experience.

SEM Management Tool

In order to save our client millions of dollars per year on advertising spending, we created a tool to automatically update location exclusion lists within linked Ad Platforms to remove areas where supply did not exist. This replaced the original solution that included ads for areas without supply, which led to a poor customer experience in addition to wasted ads.

SKILLS

- Programming languages: Java, C++, Kotlin, JavaScript/TypeScript, Python, Golang, HTML, CSS
- Relational/document DBs: PostgreSQL, MongoDB, Elasticsearch, OpenSearch, etc.
- AWS/Azure platform
- Frameworks including Spring Boot and Flutter
- Git version control and GitHub/GitLab
- Project management
- Team leadership/mentorship
- RESTful APIs
- Agile software development

EDUCATION

Bachelor of Science: Computer Science, Colorado School of Mines

May 2020

Overall GPA: 3.795, Major GPA: 4.0. Dean's list recognition for last five semesters, the last four for 4.0 semesters

Pertinent classes include Algorithms, Data Structures, Software Engineering, Database Management

Bachelor of Science: Economics, Colorado School of Mines

May 2020

Major GPA: 4.0. Same recognitions as above

Pertinent classes include Econometrics, Decision Analysis, Business Analytics

ACTIVITIES & HOBBIES

- Served as Co-Champion for the Colorado School of Mines Recruiting Team at Credera 2020-2022
- Helped orchestrate Credera's presence at Denver Startup Week in 2021 and 2022
- Organized an international social event for the CredCOLOR ERG at Credera
- My hobbies include:
 - Photography, specifically wildlife and landscape
 - Home improvement projects
 - DIY projects, especially with electronics