

NICOLAS CAPRA

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EXPERIENCE

Software Developer IV, Charter Communications (Spectrum)

September 2023 – Present

- Develop and maintain a variety of Java Spring Boot applications in a large ecosystem with 400+ microservices, including REST API, Cron, message-driven services using Kafka and SQS.
- Create POC projects, including planning out our use of Redis via AWS DocumentDB using Spring Data. Working on productionizing these efforts through creation of shared libraries.
- Write unit and integration tests for services and work directly with test team to assist in creating test plans and automated tests.
- Manage deployment of our services in the AWS cloud using Kubernetes and Helm.
- Mentored and onboarded 5+ new developers, accelerating team ramp-up time during 80% team growth.

Co-Founder and Developer, Hoshii

January 2023 – Present

- Develop Java Spring Boot backend with over 30 endpoints to power a greenfield application of our own design.
- Design database structure of 7 interconnected tables within a PostgreSQL DB and integrate with Flyway for automatic updates.
- Created 10+ pages using Dart in a mobile-first frontend experience within the Flutter framework.
- Deploy applications to the Apple App Store and Google Play Store as well as on desktop as a web application.

Senior Technology Consultant, Credera

August 2020 – December 2022

- Led a team of 3 junior developers to deliver a high-value Java Spring Boot application that saved our client \$20 million/year.
- 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 a client to develop urgent updates for Microsoft Dynamics CRM within a tight timeframe.
- Quickly onboarded onto over 6 projects, which included working with new teams and technology stacks.
- Co-led the Colorado School of Mines Recruiting Team, our team organized and tabled campus events twice per year and screened resumes that came through the events, in addition to executing events throughout the year to grow presence on campus.
- Organized an international social event for the CredCOLOR(race/ethnicity focused) ERG.
- Led content production efforts annually for Denver Startup Week to grow company presence in the Denver area.

Technology Intern, Capital One

June 2019 – August 2019

- Created a Lambda function in Golang, executable via Slackbot which helped save over 20 minutes per deployment.

NOTEWORTHY PROJECTS

Agent Device Management

To help the company reduce reliance on vendors and to expand capabilities for customization and delivery, I am helping to develop a platform to manage millions of devices located at customer locations. We are creating services that utilize MQTT and WebSocket to communicate directly with the devices, keeping these in a separate layer to eliminate potential load issues.

SEM Management Tool

I helped create a tool to automatically update location exclusion lists within linked platforms to remove areas where supply did not exist. Initially, the client had 48% unmonetizable ad spend, but through our tool managing 1000+ ad campaigns and reducing unmonetizable leads by 40% and successfully reduced wasteful advertising spend by \$20 million per year.

SKILLS

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| • Languages: Java, Kotlin, C++, Python, Golang, JavaScript | • Tools: Bash, Git, GitHub, GitLab |
| • Databases: PostgreSQL, MongoDB, Elasticsearch | • Frameworks: Spring Boot, Flutter |
| • Cloud/DevOps: AWS, Azure, Kubernetes, Helm, Kafka, SQS | • Agile software development |

EDUCATION

Colorado School of Mines, Golden, CO

2016 - 2020

Bachelor of Science: Computer Science – Major GPA 4.0

Bachelor of Science: Economics – Major GPA 4.0

Notable Coursework: Data Structures, Software Engineering, Algorithms, Database Management, Operating Systems, Programming Languages, Project Management, Econometrics, Engineering Economics, Decision Analysis, Business Analytics