



# Madhusudan Ravi

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## TECHNICAL SKILLS

**Languages:** Golang, Node.js/Javascript/Typescript, Python, Shell, Ruby, PHP, CSS/HTML

**Project Management:** JIRA/Confluence, Kanban with Github issues, Gitlab

**Back-end frameworks:** Go-kit, Serverless, Django, Flask, Express, Knex.js, SQLAlchemy, FastAPI, Rails

**Front-end frameworks/Libraries:** React/Redux, Flow, GRPC, Backbone.js, Bootstrap, Semantic UI, Bulma

**Testing/Utility frameworks:** Nose (along with Python builtins), Mocha/Assert, Locust.io, Webpack/Babel/Vite

**Databases:** Cassandra, PostgreSQL, DynamoDB, MySQL, MongoDB, Redis, Elasticsearch

**Deployment/Cloud Services:** AWS, Bitbucket/Bitbucket Pipelines, CircleCI, Heroku, Docker/DockerCloud, NPM Registry management, Terraform, Kubernetes, Splunk

## WORK EXPERIENCE

### Aptible Inc., Senior Software Engineer II

Sept. 2025 – Present

- Works on AI/agent tooling across the org, working with other teams to independently adopt agent workflows.
- Architected and built remote-management capabilities for customer-owned AWS resources hosted from the Aptible platform, extending the platform's infrastructure reach.
- Led a full rewrite of the CLI in native Go, preserving complete backwards compatibility while achieving a 50%+ reduction in memory footprint and a significant binary size reduction.
- Acts as resident frontend and Go subject-matter expert, reviewing designs and mentoring engineers.

### Booz Allen Hamilton, Chief Engineer

Sept. 2023 – Sept. 2025

- Led architecture and internal delivery of full-stack tooling in regulated environments, modernizing legacy systems with Kubernetes, and building self-service platforms using Backstage.
- Drove CI/CD, library, and infrastructure upgrades across teams using Node.js, Python, Go, MongoDB, and Postgres with a security-first mindset.
- Served as senior IC, advisor, and/or manager across multiple initiatives, supporting security, AI/ML, and conventional workloads while training project teams and aligning engineering practices.

### Aptible Inc., Senior Software Engineer

March 2022 – August 2023

- Architected, built, and maintained features and services across the entire stack of a profitable YC PaaS which serves customers with a footprint on the magnitude of millions of global daily users and with \$MM in annual cloud infrastructure spend on Aptible's platform.
- Contributed daily to Aptible's open source work including their UI, CLI, Terraform provider (and others) in Typescript, Go, Python, and Ruby.
- Builder and owner of entire vertical slices of the business as contributor and planner from ideation, execution and O&M.
- Participated in company-wide SRE-level on-call rotation to handle assortment of highly visible customer-facing issues.

### Booz Allen Hamilton, Sr. Full Stack Engr., Engr. Team Lead, Sr. Eng. Team Lead

Nov. 2018 – Mar. 2022

- Wrote and owned dozens of Go and Javascript services/apps for use in Dockerized/K8s setup on AWS EKS.
- Used S3, SQS, SNS, Kinesis and DynamoDB on AWS to integrate with a combination of services.
- Conducted database/service migration/rewrite that transitioned seamlessly for millions-billions of records across multiple environments.
- Led multi-national team (20+ engineers) with decades of combined experience in both engineering and ceremonies.
- Led some customer-facing technical product launches.

### Intellei, LLC, Full Stack Engineer

December 2017 – October 2018

- First engineering hire, built core components of a Serverless-based stack—including consumer-facing and back-office controllers, database models, Redis caching, and NLU modules—while also developing logging, testing/coverage, CloudFormation deploy scripts, data analysis tools, and CI/CD with distributed rollback.

### Independent Consulting, Full Stack Engineer

October 2017 – December 2017

### Simple Thread, Full Stack Engineer

December 2016 – July 2017

### United States Common Sense, Research Analyst/Full Stack Engineer

May 2013 – December 2016

### Independent Consulting and Part-time with The Canopy Group, Data Analyst and Full-stack Developer

February 2013 – January 2017

## EDUCATION

Virginia Commonwealth University, Post-Bac. Certificate (FIRE)

2011-2012

University of Virginia, BA, Sociology

2005-2009

Note: Clearable US Citizen. Can provide references on request.