

# **Boris Dev**

## **Role: AI Engineer**

To augment human creativity, I build tools that merge natural language with code.

## **Style**

• tackle ambiguous problems • tackle process friction • tackle cross-silo knowledge gaps to unstick projects • explore semantic nuances of the data • deliver prototypes • build conceptual frameworks [aka., primitives]

## **Tech stack**

• Data science: LangChain, Sklearn, Pandas, Geospatial • Engineering: Distributed systems, Observability, Analytic endpoints

## **Notable successes**

• New mystery story generation starting from understanding the primitives • New [CPAL LLM Chain](#) is the first causal LLM chain. [Tweet by LangChain](#) • Nobsmed.com, a side project to help ordinary people evaluate their medical treatment options • New observability system designed and built for two companies • New data curation process for two companies • New language AI feature for one company • New microservice paradigm for one company • New geospatial human inequality metrics (PhD) • Climbed Cotopaxi (21,000 ft) • Bodyboarded Mexpipe

## **Job experience**

### **AI Engineer consultant at Wolf Games, 2023**

- events mystery story generation
- story composition language primitives

### **AI Engineer consultant at SimpleLegal, 2022-2023**

SimpleLegal is a legal billing analytics company.

- launched a stuck AI feature by shifting focus from training examples quantity to quality
- led offshore annotators, data scientist, and the subject-matter expert
- built SageMaker inference server

### **Lead Analytic Endpoint Engineer at Sight Machine, 2018-2021**

Sight Machine is a manufacturing analytics company.

- analytic endpoints
- started new checklist process to lock down successful sales demos
- built distributed tracing

### **Lead Data Engineer at HiQ Labs, 2015-2018**

HiQ Labs was a people analytics company.

- led the migration from a monolith to a micro-service paradigm
- built the scraping system

### **Developer at Urban Mapping, 2011-2013**

Urban Mapping provided geospatial analytics to Tableau.

- CI/CD/QA pipeline
- Observability

### **Misc leadership roles**

- Worked with students in Medellín, Columbia to make [ClusterPy](#).
- Kids snowboard instructor at Vail Resorts, CO.
- Restaurant Assistant Manager at Vail Resorts, CO.
- Counselor for emotionally disturbed children. Seneca Institute. CA.

### **Open source code and writing**

- [Without cognitive empathy, your language AI performance metrics are meaningless](#)
- [Langchain PR: Causal Program-aided Language \(CPAL\)](#)
- [Normalize tables using a LLM](#)
- [A play Ethereum MEV bot](#)
- [Small commit to shell-ai](#)
- [A git bare approach to version control your dot files](#)
- [Work papers](#)
- [Geoscore \(repo\)](#)
- PhD thesis. *Assessing Inequality using Geographic Income Distributions*
- *Spatial Econometrics* entry. Encyclopedia of Human Geography. 2009.
- *Interactive spatio-temporal modelling of health systems*
- *$\sigma$ -convergence in the presence of spatial effects*
- *Integrating Econometric and Input-Output Models in a Multiregional Context*