

Adam Melnyk

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OBJECTIVE	A position in the field of Software Engineering with special interests in tools, application development, and scalable web services	
EDUCATION	<i>Bachelor of Arts</i> University of Alberta, Edmonton, AB, Graduated December 2014 Concentration: Computing Sciences Minor: Philosophy	
COMPUTER SKILLS	Java, Javascript (ES6), Ruby on Rails, Node.js, Serverless, Bash, SQL, Docker	
EXPERIENCE	<i>Software Engineer</i> HomeAway, Austin TX	October 2017 - Present
	<ul style="list-style-type: none">• Development of Geographical Search API's and tools as a part of the Geo, Search Services Team• Building scalable web services with <i>Java 8</i>, <i>Dropwizard</i>, <i>Jersey</i>, <i>Kafka</i>, and <i>Elasticsearch</i>• Using <i>Jmeter</i> and <i>Taurus</i> for automated load testing• Building and maintaining <i>Javascript</i>, <i>Bash</i> tools and services for Geo Analytics• Building batch services with <i>Spring Batch</i>• Updating an existing monolith from <i>Elasticsearch</i> 1.7 to 5.6	
	<i>Software Engineer</i> Ownlocal, Austin, TX	August 2016 - August 2017
	<ul style="list-style-type: none">• Built pipelines and backend software with <i>Serverless framework</i>, with <i>AWS Lambda</i>, <i>Step Functions</i>, and <i>S3</i>• Modeled data for and designed a WYSIWYG website editor using <i>React</i>• Automated deploys and personal staging environments with <i>Bash</i> and <i>CircleCI</i>• Built API's with <i>Go</i> and <i>Postgres</i>• Maintained legacy systems with <i>Ruby on Rails</i>, <i>Docker</i>, <i>Rancher OS</i>, <i>Redis</i>, and <i>MySQL</i>	
	<i>Full-Stack Web Developer</i> Alberta Motor Association, Edmonton, AB	December 2014 - July 2016
	<ul style="list-style-type: none">• Developed microservices, web applications, and APIs with <i>Ruby on Rails</i>, <i>Sinatra</i>, and <i>Postgres</i>• Built banking calculators using <i>Ember.js</i>	

PROJECTS

Optimization of class scheduling using *Particle Swarm Optimization*

Jif: <https://github.com/adammelnik/jif> Analyzer and editor for the GIF89a format using *Ruby*

Personal Blog: <https://arm64.ca> Computer science and programming related topics