

```

package main

import (
    "encoding/json"
    "fmt"
    "time"
)

// N.B. Run me; I'm a valid Go program! - schultz

func main() {
    candidate := Candidate{
        Name:    "Matt Schultz",
        Email:   "schultz@sent.com",
        Phone:   "512.626.0186",

        Experience: []Position{
            {
                Company: "LivePerson",
                Title:   "Principal SDE",
                Start:   *mustParseTime("2018-Oct"),
                Description: "Designed and developed a NLP abstraction service and helped" +
                    " to lead the company's social media management offering",
            },

            {
                Company: "Conversable",
                Title:   "Principal Software Engineer - ML/NLP",
                Start:   *mustParseTime("2016-May"),
                End:     mustParseTime("2018-Oct"),
                Description: "Largely focused on development and deployment of an NLP" +
                    " pipeline used by chatbots for several large brands",
            },

            {
                Company: "Bee Cave Games",
                Title:   "Principal Software Engineer",
                Start:   *mustParseTime("2013-Jun"),
                End:     mustParseTime("2016-May"),
                Description: "Developed blackjack, slots, and bingo games which operated" +
                    " with virtual and real currency",
            },

            {
                Company: "Toutpost (now Cratejoy)",
                Title:   "Co-founder, Principal Software Engineer",
                Start:   *mustParseTime("2012-Oct"),
                End:     mustParseTime("2013-Jun"),
                Description: "Launched a YCombinator-funded consumer startup focused on" +
                    " consumer review analysis",
            },
        },
    },

```

```

{
  Company: "Zynga",
  Title: "Senior Software Engineer, Systems Lead",
  Start: *mustParseTime("2011-Aug"),
  End: mustParseTime("2012-Oct"),
  Description: "Led server and systems development for multiple popular" +
    " Zynga casino games",
},

{
  Company: "8-Bit Spaceman",
  Title: "Co-founder, CTO",
  Start: *mustParseTime("2010-Sep"),
  End: mustParseTime("2011-Aug"),
  Description: "Built web games in Flash and Java for distribution on" +
    " Facebook's platform",
},

{
  Company: "Zynga",
  Title: "Software Engineering Intern",
  Start: *mustParseTime("2010-Jun"),
  End: mustParseTime("2010-Aug"),
  Description: "Helped to create a games-focused social network",
},

{
  Company: "Falkon Technologies",
  Title: "Web Developer",
  Start: *mustParseTime("2008-Feb"),
  End: mustParseTime("2010-May"),
  Description: "Maintained and developed .NET web applications for clients" +
    " in insurance, healthcare, and oil and gas industries",
},
},

Education: []Education{
  {
    Institution: "University of Texas at Dallas",
    Focus: "Computer Science",
  },
},
}

output, err := json.MarshalIndent(candidate, "", "\t")
if err != nil {
  panic(fmt.Sprintf("problem marshaling JSON: %s", err))
}
fmt.Printf("%s", output)
}

```

```

const dateForm = "2006-Jan"

func mustParseTime(timeStr string) *time.Time {
    t, err := time.Parse(dateForm, timeStr)
    if err != nil {
        panic(fmt.Sprintf("problem parsing time (%s): %s", timeStr, err))
    }
    return &t
}

// Candidate describes necessary information about a job candidate
type Candidate struct {
    Name string `json:"name"`
    Email string `json:"email"`
    Phone string `json:"phone"`

    Experience []Position `json:"experience"`
    Education []Education `json:"education"`
}

// Position represents current or previous professional experience
type Position struct {
    Company string `json:"company"`
    Title string `json:"title"`
    Start time.Time `json:"start"`
    End *time.Time `json:"end,omitempty"`
    Description string `json:"description"`
}

// Education represents educational experience
type Education struct {
    Institution string `json:"institution"`
    Focus string `json:"focus"`
}

```